

Solar Retrofit Becoming
Energy-Saving Option
For Tar Heel Homeowners
See Pages 10-11

Carolina
Country
January 1982

The Wright Brothers
Made History
In Kill Devil Hills
... And So Have We!



\$1530
Buys A Week Forever
on the Oceanfront.

Completely Furnished Polyrama Villas Limited Opportunity. See Us Soon.

Your dream of oceanfront ownership can now be a reality and **"IT'S ABOUT TIME"**. **"INTERVALS OF TIME"**, simply explained, allows you to own your own oceanfront villa for one, two, or more weeks a year for that well deserved vacation that we all treasure.

Interval Ownership is the most innovative and exciting method of vacation home ownership that makes it possible for anyone to afford **THEIR "OWN PLACE" ON THE OCEAN**. If you like the Outer Banks, you'll love what we can offer you at pre-completion prices.

The Outer Banks Beach Club offers you your choice of unique one or three

bedroom Polyrama Villas. Each three bedroom villa is luxuriously furnished with two baths, one of which is equipped with a steam jacuzzi whirlpool. The perfect way to be refreshed and relaxed after a day on the beautiful white, sandy beaches of the unspoiled Outer Banks.

DOESN'T IT MAKE SENSE... to own your own luxurious villa, forever... in lieu of renting every year with increasing costs?? Certainly it does. Why not do yourself, and your family a favor... today, and consider **OWNING** your vacation place this year and... most importantly, **FOREVER**.

Interval Ownership

... It's About Time.

In North Carolina
1-800-672-4791

Drawer M, Kill Devil Hills, NC 919-441-7036

Toll Free - East Coast
1-800-334-4702



A Shameful Celebration

Franklin Delano Roosevelt's 100th birthday will be marked on January 30 with a shameful minimum of celebration, as the milestone passes just when F.D.R. and his New Deal programs are getting heavy criticism from the powers-that-be in Washington.

An informal celebration is planned at the Roosevelt family estate at Hyde Park, N.Y., and the Smithsonian Institution in Washington will open a special exhibit focusing on F.D.R.'s role as a communicator.

The Smithsonian's National Museum of American History will re-create the White House studio from which Roosevelt made his famous fireside chats, using some of the original equipment. Next to it will be a representative radio-equipped living room of the era. The car that was specially fitted for the crippled President will also be displayed.

In addition, the Smithsonian's folk-life unit will try to re-create some of the entertainment that was featured at White House parties and dinners during the Roosevelt years.

Meanwhile, the Museum of American Art will assemble a show of art by artists who were subsidized by the New Deal's WPA, and the Hirshhorn Museum will feature art by live such artists.

Allied events will include lectures, traveling shows, books and TV documentaries.

Authorities who're planning these events are hoping they'll prompt Congress to get machinery in motion for construction of the F.D.R. Memorial.

It's about time: The memorial was first proposed in 1946!

The land for it was set aside years ago along the Tidal Basin's "cherry walk" between the Lincoln and Jefferson memorials. But the first two designs were rejected. The design now before Congress would involve a 1,000-foot-long walkway with a meandering granite wall and open areas containing sculptures of Roosevelt, quotations

and tumbling waterfalls. It carries a \$23.5 million price tag.

The prospects are not good for getting the project authorized and funds appropriated, because of the tight federal budget.

It's sad to realize that 36 years after his death the nation hasn't been able to find a way of erecting a suitable memorial to the only President ever to be elected to four terms in office.

The Century's End: The Year 2000

Most people are confused about the calendar system now in universal use. It is referred to as the Gregorian calendar and will remain accurate for several thousand years in the future. It needs, however, an occasional adjustment and this occurs at the end of each century in years ending with 00.

At the end of each century with each year ending in 00?

Yes, the years ending in 00 (even hundreds) signify the end of a century. The first year, the year traditionally looked on as the year of Christ's birth and the year upon which our calendar is based, was year one. The tenth was year ten, and was the last year of the first decade. The first year of the second decade was year eleven, and the second ten years ended with year twenty. The first year of the third decade would, therefore, be year 21.

Following the logical beginning, 1981 is the first year of the ninth decade of the twentieth century, and the year 2000 will be the last year of the tenth decade of the twentieth century, not the beginning of the twenty-first century as is commonly assumed.

Most of us look forward to a change in numbers, much like watching the nines turn over to zeros when you have driven your car 100,000 miles. It is an event. But with the calendar, the adjustment is at the end of each century, the years ending in 00. But most people have the adjustment backwards.

Every four normal years an extra day is added at February, and we are used to that phenomenon as leap year. This is an imperfect adjustment, however. In 100 years the calendar gets a little out of whack and it is adjusted by omitting leap year at the end of each century, years ending in 00. But even this centennial adjustment is not perfect. So, in all years evenly divisible by 400, an exception is made and the leap year remains. Therefore, our leap year cycle is consistent for the years 1904 through the year 1996, and the upcoming end of the millenium, year 2000, is a leap year.

— *Indiana Rural News*

This Issue

Solar Retrofit Becoming
Energy-Saving Option
For Tar Heel Homeowners

10

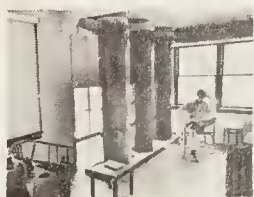
Youth Forum

Stanly County Fourth Graders
Become "Keepers of the Light"

Energy Scene

23

Grits



**Carolina
Country**

(ISSN 0008-6746)

Read Monthly in More Than 300,000 Homes
Vol. 14 No. 1 January, 1982

Official Publication

North Carolina Association of Electric Cooperatives, Inc.

James M. Hubbard/Executive Vice President

Owen Bishop/Editor

Kemp Ward, Patty Wheeler/Contributing Editors

Milly Alford/Editorial Asst.

Julia Zeigler/Graphics Asst.

Carolina Country (formerly Carolina Farmer) is published by North Carolina Association of Electric Cooperatives, Inc. Second class postage paid Raleigh, North Carolina, and additional mailing office, Editorial Offices. P.O. Box 27306, Raleigh, N.C. 27611. Carolina Country is a registered trademark of North Carolina Association of Electric Cooperatives. Postmaster send form 3579 to P.O. Box 27306, Raleigh, N.C. 27611. EMC group subscription \$1.56 a year, individual \$2.00. Address all mail to Carolina Country, P.O. Box 27306, Raleigh, N.C. 27611.

Fuel-Saving Steps Cut Leaf Curing Costs

Big fuel savings are possible on many flue-cured tobacco farms, judging by a series of energy audits conducted by the N.C. Agricultural Extension Service during the summer and fall of 1981.

Extension specialists visited 93 tobacco farms and examined 499 bulk curing barns. They made recommendations which, if followed, should save an average of \$100 in curing fuel per barn per year.

About 40,000 bulk barns are in use on North Carolina farms. They are used to cure about 70 percent of the flue-cured crop.

The pilot energy audit program was supported by a grant from the North Carolina Energy Extension Service, an agency of the N.C. Department of Commerce.

Larry Graham, an extension agricultural engineer, said the owners of 410 of the barns could recover the cost of insulation in four years or less.

Many of the energy saving recommendations centered around management, Graham added, which would cost little or nothing to change.

For example, he strongly suggests the use of a wet bulb thermometer to gauge ventilation during curing. He urges farmers to replace broken gaskets around doors, load racks evenly, and to avoid swinging open the doors to observe the tobacco during curing.

Marvin Williams was one of three Johnston County farmers to be voluntarily audited, and he believes the suggestions definitely saved him money. He spent \$212.62 per barn on fuel in 1981, which was less than 1980 although he didn't have specific figures for comparison.

"Anytime you can save a dollar, it is better than working it out," Williams explained.

Kenneth Bateman, Johnston County agricultural extension agent, believes energy conservation is one of the best ways for tobacco farmers to hold down production costs.

"We've got 18,000 acres of tobacco in the county," he said. "If we could cut our fuel cost by \$25 per barn per cure, that would save us \$450,000 in 1982."

the southeast's most comprehensive arts magazine...



Publisher: William H. Ryan
Editor: Phyllis Lang
Art Director: Jean Wall Penland

SUBSCRIBE: \$10 for 12 issues; \$18.50 for 24

SEND \$1 FOR SAMPLE COPY—

NAME _____

ADDRESS _____

THE ARTS JOURNAL 324 CHARLOTTE STREET
ASHEVILLE, NC 28801

WANTED:

New members who enjoy the outdoors—Carolinians who believe in good sportsmanship and outdoor ethics, respect for the environment and full enjoyment of the fields, forests, streams, mountains . . . and wildlife.

A membership in the North Carolina Wildlife Federation provides many benefits, including a sense of being an important part of a strong wildlife movement.

A Supporting Membership—a contribution of \$15 a year—gives you a beautiful 13½" x 16½" full color art print, Geese "Settlin' In," 12 issues of Friend O'Wildlife and other benefits.

A Sustaining Membership—\$35 or more—earns an 18" x 24" Limited Edition full color art print, signed and numbered by the artist, of the Bald Eagle, as well as all other benefits, including a year's subscription to Friend O'Wildlife.

No cash, please send check or M/O with this form to Art Prints, P. O. Box 10626, Raleigh, North Carolina 27605. 10 day delivery.



Name _____

Address _____

City _____ State _____ Zip _____

Please check one ☐Sustaining membership ☐Supporting membership
Your Contribution is Tax Deductible, too.

TURN YOU DOWN? NOT US!

CO-OP HOSPITAL INSURANCE
GUARANTEES
YOU WILL BE ACCEPTED!

CHECK IT OUT!

- ☒ Pays you up to \$50 a day for each and every day you are hospitalized for a covered illness or accident — in addition to any other insurance you might have.
- ☒ Pays you up to \$5000 Accidental Benefit
- ☒ Pays you Double Benefits after 90 days in the hospital.
- ☒ You will be accepted regardless of your age, health or occupation.

and coupon **TODAY**
for
FREE information
on how you can
"CO-OP"
your hospital bills!

No Agent Will Contact You!	JANUARY 1982 OPEN ENROLLMENT FOR NORTH CAROLINA RURAL ELECTRIC MEMBERS	No Risk/ No Obligation
MAIL TO:		
CO-OP INSURANCE FUND		
2015 Peachtree Road, N.E. / Atlanta, GA 30309		
Please Print Name _____		
Street Address (or RFD) _____		
City/Town _____ State _____ Zip _____		
Please send me information for the following		
<input type="checkbox"/> Male — Birthdate _____ <input type="checkbox"/> Female — Birthdate _____		
NC-1 Month/Day/Year Month/Day/Year		

Five Tar Heel FFA Chapters Honored

Five North Carolina chapters of the Future Farmers of America have been cited for outstanding achievement in FFA's Building Our American Communities program.

Receiving Silver Emblem awards were the Creswell Chapter, the Bartlett Yancey Chapter, Yanceyville and the South Iredell Chapter, Barium Springs.

Receiving Bronze Emblem awards were the North Lenoir Chapter, LaGrange and the West Montgomery Chapter, Mt. Gilead.

The national program provides small and rural communities with volunteer support for a variety of public service projects.

New Book Profiles N.C. First Ladies

A new book is now available which offers portraits and personality sketches of the 24 North Carolina First Ladies who've lived in the Executive Mansion since it was occupied in 1891.

The 86-page hardback book includes the First Ladies from Gov. Daniel Fowle's daughter Helen to Carolyn Leonard Hunt, wife of the current governor.

It was co-authored by former First Lady Jeanette C. Moore and Shelby journalist Grace Hamrick.

"We decided to concentrate on the recent First Ladies partly because we had little information about earlier ones and partly because we wanted to keep the book to a reasonable length, yet have room to share interesting details about these women's lives," said Mrs. Hamrick, who earlier authored a biography of Fay Webb Gardner, wife of Gov. O. Max Gardner.

Wintery Scene In Haywood County

The wintery photo on our cover was shot by Bonita Swanger of Rt.3, Clyde. It was made along a stream near her home following a heavy snowfall.

The book also contains a list of the 36 First Ladies who served before 1891 and a brief history of the mansion.

The book is being sold as a project of the Executive Mansion Fine Arts Committee for \$12 plus \$1.50 postage and handling charge. Revenues from the project will go to the committee, an organization set up by Mrs. Moore in 1965 to help furnish and maintain the Executive Mansion.

Copies of the book may be ordered from the Communications Office, N.C. Department of Cultural Resources, Raleigh, N.C. 27611.

Cockerham Gets Seat On National Study Committee

Thomas Cockerham of Jefferson, president of the board of directors at Blue Ridge Electric Membership Corporation, Lenoir, has been named to a national study committee that will evaluate the operations of the National Rural Utilities Cooperative Finance Corporation (CFC).

He is one of 24 rural electric leaders from across the country who will serve on the CFC Member Committee on Objectives and Planning.

CFC is a lending institution that provides loans for rural electric and telephone cooperatives as a supplement to Rural Electrification Administration loans.

"Arts and The Child" Book Now Available

If you're interested in arts education, you might be interested in a new publication from the North Carolina Department of Cultural Resources called *Arts and the Child: A North Carolina Conference*.

The paperback volume contains the proceedings of the major arts education conference held at the Raleigh Civic Center in March of 1980.

The conference was a joint project of the N.C. Departments of Cultural Resources and Public Instruction, the N.C. Alliance For Arts Education and the Raleigh Junior League.

The book, which includes edited versions of many of the speeches and

panel discussions, was made possible by a \$21,500 grant from the Z. Smith Reynolds Foundation of Winston-Salem.

Copies of the book are available without charge to North Carolina residents. They may be ordered by writing *Arts and the Child*, N.C. Department of Cultural Resources, 101 E. Jones St., Room 310, Raleigh, N.C. 27611.

Eight Directors Are Elected At Two EMCs

Two newcomers and six incumbents have been elected to the Boards of Directors of two Electric Membership Corporations during recent EMC annual meetings:

- **Carteret-Craven EMC**, Morehead City—Re-elected were David Chadwick of Rt. 2, Beaufort; Elijah Guthrie of Rt. 1, Newport; David C. Holt of Maysville and Clarence E. Millis of Rt. 3, Newport.
- **Tideland EMC**, Pantego—Newcomers elected to the board were Jimmy Burbage of Rt. 1, Bath and J.M. Willard of Rt. 6, Washington. Re-elected were W.B. Smithwick of Rt. 1, Blounts Creek and Earl Sadler of Lowland.

Four Get Top Ag Extension Honors

A county extension chairman, an area swine specialist, a dairy specialist and a soils specialist have received the highest awards given by the N.C. Agricultural Extension Service.

The recipients are:

Bill Lamm, Lenoir County extension chairman, who was cited for his ability to organize farmers, particularly young farmers.

Jack Parker of Edenton, area swine specialist who works in a 10-county northeastern area, was recognized for effectiveness in working with county agents and swine producers to improve pork production and marketing efficiency.

Dr. Frank D. Sargent of Raleigh was cited for his work with the Dairy Herd Improvement Association.

Dr. Jack V. Baird of Raleigh is specialist in charge of extension so

science, was honored for grassroots work in helping landowners attack problems, including acid soils.

Black Tapped As Extension Director

Dr. Chester D. Black, associate director of the North Carolina Agricultural Extension Service for the past two years, has been named director, succeeding Dr. T. Carlton Mallock, who retired.

Black also will serve as associate dean of the School of Agriculture and Life Sciences at N.C. State University, which administers the extension program.



Black grew up on a farm near Memphis, Mo., and received a bachelor's degree in agricultural education and a master's degree in extension education from the University of Missouri. He received a doctorate in adult education from NCSCU in 1969.

Before coming to North Carolina, Black was on the staff of the Missouri Agricultural Extension Service for 15 years.

Cookbook Dedicated To Durham TV Personality

The North Carolina Division of the American Cancer Society is now offering a new cookbook that's dedicated to the memory of a popular Durham TV talk show hostess.

Entitled *Tarheel Tastes*, the book memorializes Peggy Mann, who worked in it as one of her last endeavors before she died of cancer last July.

She had hosted "At Home With Peggy Mann," on WTVD, Durham, for years.

Her goal in the cookbook project was to raise \$100,000 for the Cancer Society, with the hope that such funds might speed a breakthrough in the diagnosis and treatment of cancer.

Mrs. Mann handpicked the recipes, with assistance from a committee which included Beth Tartan, author and food editor of *The Winston-Salem Journal*.

The book, featuring a theme of "The Return to Elegant Dining," is a treasure

of Tar Heel favorites, including Moravian sugar cake, Sneads Ferry fish stew and North Carolina yam muffins.

The spiral-bound, 186-page book also contains sketches of state landmarks with historical facts about the state's cuisine.

The \$6 book is available through various Cancer Society offices across the state and in some stores.

Copies may also be ordered from the Wake County office at 425 N. Boylan Ave., Raleigh, N.C. 27603. Add \$1.50 for postage on mail orders.

Consumer Tips Offered In Kits

The U.S. Consumer Education Resource Network is offering a kit which provides helpful information on many consumer concerns.

Included in the kit is the *Consumer Information Catalog*, a quarterly guide to booklets from about 30 agencies of the federal government on everything from how to fix your car to how to select house plants. Most of them are free upon request.

Also in the kit is a monthly newsletter, *Concerns*, featuring articles on topics such as health care, food safety and quality and buying insurance.

The kits may be ordered from Consumer Education Resource Network, 1555 Wilson Blvd., Suite 600, Rosslyn, Va. 22209.

Book Addresses Issues Affecting Food Supply

The 1981 Yearbook of Agriculture, published by the U.S. Department of Agriculture, focuses on various problems affecting the way farmers feed the nation and the world.

The 344-page hardback book, titled *Will There Be Enough Food*, discusses loss of prime farmland, whether agricultural productivity is leveling off, soil erosion, diversion of agricultural resources from food production to meet energy requirements, water and soil pollution and food shortfalls in the world.

Home Folks

The North Carolina Awards, the state's highest honors, have been presented to **Adeline McCall** of Chapel Hill, music educator and special consultant to the N.C. Symphony, for fine arts; **Glen Rounds** of Southern Pines, writer and illustrator best known for children's books, for literature; Tar Heel-native **Tom Wicker** of New York City, associate editor of *The New York Times*, for literature; **Dr. Vivian T. Stannett** of Raleigh, administrator and professor of chemical engineering at N.C. State University, for science and **Ralph H. Scott**, former state senator, for public service . . . **Liston B. Ramsey**, speaker of the N.C. House of Representatives, has received the 1981 Award for Outstanding Service from the N.C. Association of County Agricultural Agents . . . **Zeb Steven Byrd** of Benson, a business and industry loan specialist with the Farmers Home Administration state office in Raleigh, has been honored by the U.S. Department of Agriculture as an outstanding handicapped employee . . . **Thurman E. Burnett** of Raleigh has been named chief of the rural housing program of the FmHA, succeeding James O. Buchanan, who retired earlier this year . . . **Barbara M. Johnson**, of Rt. 2, Fayetteville, has been named the 1981 N.C. Farm Woman of the Year by the N.C. Department of Agriculture and the N.C. Farm Bureau. Mrs. Johnson, with the help of her two sons and one employee, oversees a 1,275-acre farming operation.

Union County Has 7 Winners

13 Tar Heels Win National 4-H Honors

Thirteen North Carolina 4-H members, including seven from Union County, have been named national winners at the 60th National 4-H Congress in Chicago.

Each winner receives a \$1,000 scholarship. The winners and their programs are:

Mary Ann Hamby, 18, daughter of Mr. and Mrs. Wayne Hamby of Rt. 6, Morganton, health. A freshman at Western Piedmont Community College, she won for a project in which she taught other young people how to

administer life-saving cardiopulmonary resuscitation (CPR).

Felicia Lennon, 16, daughter of Mr. and Mrs. Sterling L. Lennon of Rt. 1, Whiteville, clothing. A seven-year 4-H'er, she sewed 97 garments for herself at an estimated savings of \$2,400 and taught a number of sewing classes.

Rose Runion, 18, daughter of Mr. and Mrs. Robert M. Runion of Bakersville, food-nutrition. A freshman at Appalachian State University, she developed coloring books to teach

proper nutrition to elementary school children.

David Talley, 16, son of Mr. and Mrs. Windell L. Talley of Stanfield, swine. A five-year 4-H'er, he raised 1,366 turkeys and 1,366 hogs in the past three years.

Jeff Coleman, 17, son of Mr. and Mrs. Kenneth Coleman of Rt. 10, Monroe, petroleum power. He became such an expert on engine repairs in 4-H that he now travels the NASCAR national racing circuit as a mechanic.

Lional Cureton, 17, son of Mr. and Mrs. Robert B. Cureton of Rt. 2, Waxhaw, gardening. An eight-year 4-H'er, he taught gardening techniques to low income and trainable mentally retarded children.

Mary Darlene Jordan, 17, daughter of Mr. and Mrs. Mancil Simpson of Rt. 2, Marshville, consumer education. A five-year 4-H'er, she developed an educational program to help senior citizens take advantage of consumer discounts.

Janice Parker, 17, daughter of Mr. and Mrs. Max F. Parker of Rt. 1, Monroe, achievement. She helps prepare mentally retarded youngsters for their Special Olympics and has also excelled in horticulture activities.

Annette Price, 17, daughter of Mr. and Mrs. Marnie G. Price of Indian Trail, dog care and training. A five-year 4-H'er, she organized a countywide puppy sale for homeless dogs in Union County.

Annette Rowell, 18, daughter of Mr. and Mrs. N. Rance Rowell of Rt. 1, Monroe, food preservation. She shared her food preservation skills with youngsters, homemakers and the elderly through exhibits and demonstrations.

Sandra Winchester, 17, daughter of Mr. and Mrs. Wayne Winchester of Rt. 5, Monroe, bread. She developed a catchy seek-a-word puzzle using bread terms to teach children about good nutrition.

Elsie Lewis, 16, daughter of Mr. and Mrs. Jacob B. Lewis of Garner, home management. She held a series of workshops and demonstrations for residents of her community on effective ways to manage a home.

Lori Ford, 18, daughter of Mr. and Mrs. James Ford of Rt. 3, Kenly, home environment. A freshman at N.C. State University, she played a key role in renovating two homes and designing the third with energy-saving features.



Hamby



Lennon



Runion



Talley



Coleman



Cureton



Jordan



Parker



Price



Rowell



Winchester



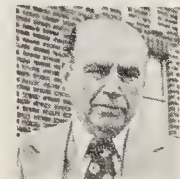
Lewis



Ford

Ralph Scott Gets 4-H Alumni Recognition

Former State Sen. Ralph Scott of Haw River has been named a national winner in the 4-H alumni recognition program.



Scott, who served in the North Carolina General Assembly for 26 years, is one of eight former 4-H members who received the coveted Gold Key Award during the 60th National 4-H Congress in Chicago. The winners were selected by the Cooperative Extension Service, and awards presented by Friends of National 4-H Council.

The winner was a 4-H member in Alamance County for three years during the early 1920s. His club membership fit perfectly with his involvement in growing top quality corn and in raising calves and pigs on his family farm. These activities later led to his owning and operating the Melville Dairy in Burlington, which he continued to run for 40 years.

Scott, a graduate of North Carolina State University, also serves as a consultant to Melville Plastics. He has received state awards for service to the retarded as well as recognition for contributions to agriculture and state and civic affairs.

He continues his interest in 4-H by serving on the Alamance County 4-H Long Range Planning Committee and by personal encouragement to 4-H members.

NURSERY STOCK SALE

OVER 200 VARIETIES
TO CHOOSE FROM

PLANTING INSTRUCTIONS INCLUDED IN EACH ORDER, EVERY PLANT WILL BE LABELED.

Notice: Orders of \$25.00 or more—take 10% discount off price of order. Does not apply to \$2.00 postage and handling charge.



RED MAPLE (Acre Rubrum, 3-4 ft.)
This is one of the most beautiful of shade trees. Besides having brilliant scarlet red leaves in the fall of the year, it has another excellent trait—it is an extremely fast grower. It is very easily transplanted and many experts agree it will grow practically anywhere in the U.S.A. Grows up to 60 feet.
1 Tree ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99



WHITE DOGWOOD (2-3 ft.)
Large, white, single blossoms are conspicuous early in spring. The foliage is attractive all summer, and the fall colors beautiful. Red berries hang on most of the winter. Use as a specimen, or in groups as a background for borders. Grows up to 30 feet high.
1 tree79 ea. 10 trees ... 7.50



TULIP TREE (3 to 4 ft.)
A large growing, hardy tree reaching heights of 80 feet or more. Its bright yellow leaves in the fall have tulip-shaped flowers in the spring. Rapid grower.
1 Tree ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99



PINK DOGWOOD (2 ft.)
A most valuable low growing and colorful tree for the lawn. Before the leaves appear, the tree is literally covered with rose-pink flowers suffused with bright red. Grows up to 20 feet high. A gorgeous spectacle.
1 Tree ... 4.95 10 trees ... 48.50



SUGAR MAPLE (3 to 4 ft.)
The largest of all maples, and its beautiful array of yellow and orange hues make it a sight to remember due to the foliage thickness—A very hardy northern and southern tree and will grow up to 60 feet.
1 Tree ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99

FLOWERING SHRUBS—1-2 Years Old

Azalea Myrtle, Red, Pink, 1 ft. .99 ea.
Aurea Van Houtte, 1-2 ft. .1.25 ea.
Begonia, Red, 1-2 ft. .95 ea.
Corymbia Yellow .79 ea.
Pink Spirea, 1-2 ft. .79 ea.
Cush Honeysuckle, Red, 1 ft. .79 ea.
Cuscuta Willow, 3-5 ft. .1.95 ea.
Cord Flowering Quince, 1-2 ft. .95 ea.
Crispian Lilac, Purple, 1-2 ft. .95 ea.
Cord Fashion Lilac, 1-2 ft. .1.25 ea.
Cord Wreath Spirea, 1-2 ft. .1.25 ea.
Cord Orange P.G., 1-2 ft. .79 ea.
Cord Flowering White, 1-2 ft. .79 ea.
Cord Shrub, 1-2 ft. .79 ea.
Cord Willow, 1-2 ft. .79 ea.
Cord Olive, 2-3 ft. .1.75 ea.
Cord Barberry, 1-2 ft. .95 ea.
Cord Snowball, 1-2 ft. .95 ea.
Cord Lilac, Red, 1-2 ft. .2.95 ea.

Butterfly Bush, Purple, 1-2 ft. .1.25 ea.
Aurea, White, Purple, Red or Pink, 4-6 inches .99 ea.
Cord Abelia, 1/2-1 ft. .95 ea.

FLOWERING TREES—1-2 Years Old

Cordia Grandiflora, 1/2-1 ft. .1.45 ea.
Cordia, Pink, 4-5 ft. .1.95 ea.
Cord Red Bud, 4-5 ft. .1.95 ea.
Cord Flowering Pear, 3-5 ft. .8.95 ea.
Cord Flowering Pear, 2 1/2-4 ft. .5.98 ea.
Cord Tree, 1-2 ft. .1.95 ea.
Cord Chain Tree, 3-4 ft. .2.95 ea.
Cord Rain Tree, 3-4 ft. .2.95 ea.
Cord Pink Flow, Cherry, 1/2-1 ft. .98 ea.
Cord Pink Flow, Cherry, 3-5 ft. .5.95 ea.
Cord Crab, Red, 3-5 ft. .2.98 ea.
Cord Soudangeana, 1-2 ft. .2.95 ea.
Cord Mt. Ash, 3-4 ft. .3.95 ea.
Cord Flower, Dogwood, 2 ft. .4.95 ea.



BURNING BUSH
Bin. .99 ea. 10 for 9.50
17.95 50 for 37.95
All the leaves turn a brilliant mirror-bright crimson. A 4-5 ft. showpiece with smooth corky bark. Hardy in sun or partial shade.

NOTICE

I doubt about any of the plants listed in this price list, growing in your area, please check with your County agent for advice.

SHADE TREES—1-2 Years Old

Green Ash, 4-5 ft. .1.95 ea.
Golden Weeping Willow, 4-5 ft. .1.95 ea.
Silver Maple, 4-6 ft. .1.98 ea.
Green Weeping Willow, 4-5 ft. .1.98 ea.
Ginkgo Tree, 1-2 ft. .1.45 ea.
Pin Oak, 3-5 ft. .2.95 ea.
Lombardy Poplar, 3-4 ft. .79 ea.
Sycamore, 4-5 ft. .1.95 ea.
Sweet Gum, 4-5 ft. .1.95 ea.
White Birch, 4-6 ft. .2.95 ea.
Crimson King Maple, 3-5 ft. .9.95 ea.
Persimmon, 1-2 ft. .95 ea.
Dawson Redwood, 1-2 ft. .2.95 ea.
Jap. Red Leaf Maple, 1 ft. .2.95 ea.

FRUIT TREES—1-2 Years Old

PEACHES, Varieties: Belle of Georgia, J. H. Hale, Hale Haven, Dixie Red, Golden Jubilee, 1-2 ft. .1.45 ea.
2-3 ft. .2.45 ea.
3-5 ft. .3.45 ea.

APPLES, Varieties: Stayman, Winesap, Red Delicious, Early Harvest, Red Rome Beauty, Red Jonathan, Lodi, Grimes Golden, Yellow Trans., Yellow Del., Early McIntosh.
2-3 ft. .2.75 ea.
3-5 ft. .3.95 ea.

CHERRIES, Varieties: Montmorency, Black Tartarian, 2 1/2-4 ft. .4.49 ea.

PEARS, Varieties: Kieffer, Orient, Bartlett, 2-3 ft. .3.45 ea. 3-5 ft. .4.95 ea.

APRICOTS, Varieties: Moorpark, Early Golden, 1-2 ft. .1.45 ea. 2-3 ft. .2.45 ea. 3-5 ft. .3.45 ea.

NECTARINE, 1-2 ft. .1.25 ea. 2-3 ft. .2.45 ea. 3-5 ft. .2.95 ea.

PLUMS, Varieties: Damson, Red, June, Methley, Burbank, 1-2 ft. .1.25 ea. 2-3 ft. .2.45 ea. 3-5 ft. .3.45 ea.

DWARF FRUIT TREES—2-3 Years Old

DWARF PEACHES, Varieties: Elberta, Red Haven, Belle of Georgia, Golden Jubilee, 2 1/2-4 ft. .4.45 ea.

DWARF FRUIT TREES CONT.

DWARF APPLES, Varieties: Red Delicious, Yellow Delicious, Winesap, Early McIntosh, Jonathan, Lodi, Yellow Transparent.
2 1/2-4 ft. .4.45 ea.

DWARF CHERRIES, Varieties: Montmorency or North Star 2 1/2-4 ft. .5.95 ea.

DWARF PEAR, Varieties: Bartlett or Kieffer, 2 1/2-4 ft. .5.95 ea.

DWARF PLUM, Varieties: Burbank, 2 1/2-4 ft. .4.45 ea.

VINES—1-2 Years Old



Grape Varieties: Concord, Niagara, Luitte, Fredonia, Delaware, Catawba.
1-2 ft. .1.25 ea.
Red Scarlet Honeysuckle, 1 ft. .95 ea.
Wisteria, Purple, 1/2-1 ft. .1.25 ea.
Bittersweet .75 ea.
Clematis, White, 1/2-1 ft. .75 ea.
Yellow Jasmine, 1/2-1 ft. .1.25 ea.
Vinca Minor Clumps .25 ea.
English Ivy, 4-8 inches .35 ea.
Euonymus Coloratus, 1/2-1 ft. .29 ea.
Ajuga Bronze Ground Cov., 1 yr. .35 ea.

NUT TREES—1-2 Years Old
Hazel Nut, 2-3 ft. .3.45 ea.
Butternut, 3-4 ft. .3.95 ea.
Chinese Chestnut, 3-5 ft. .2.45 ea.
Hardy Pecan Seedlings, 1-2 ft. .1.50 ea.
Stuart Pecan, Papershell, 2-3 ft. .7.95 ea.
Black Walnut, 2-3 ft. .2.45 ea.
English Walnut, 2-3 ft. .7.95 ea.

EVERGREENS—1-2 Years Old

American Holly, 1/2-1 ft. .65 ea.
Rhododendron, 1/2-1 ft. .1.25 ea.
Pfitzer, Juniper, 1/2-1 ft. .95 ea.
Boxwood, 1/2-1 ft. .79 ea.
Red Berry Pyracantha, 1 ft. .1.25 ea.
Yellow Berry Pyracantha, 1 ft. .1.25 ea.
Burfordi Holly, 1/2-1 ft. .95 ea.
Dwarf Burfordi Holly, 1/2-1 ft. .95 ea.
Wax Leaf Ligustrum, 1/2-1 ft. .45 ea.
Colorado Blue Spruce, 1/2-1 ft. .75 ea.
Mountain Laurel, 1/2-1 ft. .75 ea.
Canadian Hemlock, 1-2 ft. .75 ea.
Hetzli Holly, 1/2-1 ft. .79 ea.
Phalmitia Fraser—Red Tip, 1/2-1 ft. .1.29 ea.

Andorra Juniper, 1/2-1 ft. .95 ea.
Jap. Yew, 1/2-1 ft. .1.25 ea.
Baker Arborvitae, 1/2-1 ft. .95 ea.
Globe Arborvitae, 1/2-1 ft. .95 ea.
Gardenia, White, 1/2-1 ft. .95 ea.
Camellia, Red, 4-8 inches. .95 ea.
Norway Spruce, 1/2-1 ft. .75 ea.
Euonymus Manhattan, 1/2-1 ft. .39 ea.
White Pine, 1 ft. .75 ea.
Mugho Pine, 4-6 inches .95 ea.
Scotch Pine, 1/2-1 ft. .75 ea.
Blue Rug Ground Cover, 4-6 inches .1.25 ea.

Foster Holly, 1/2-1 ft. .1.25 ea.

BERRY PLANTS, ETC.—1-2 Years Old



Blackberry, 1 ft. .69 ea.
Black Raspberry, 1 ft. .99 ea.

Blueberries, Rancocas, Rubel, Berkeley and Blueray, 2 yr. 1 ft. .2.95 ea.
Red Everbearing Raspberry, 1 ft. .99 ea.
Dewberry, 1 ft. .99 ea.
Boysenberry, 1 ft. .99 ea.
Gooseberry, 2 yr. 1 ft. .1.50 ea.
Flus, 1-2 ft. .1.95 ea.

BULBS AND PERENNIALS—1-2 Years Old

4 Pampas Grass, White Plumes .2.50
10 Hibiscus, Mallow Marvel .2.50
10 Hollyhocks, Mixed Colors .2.95
6 Cannas, Red, Pink, Yellow .2.95
10 Iris, Blue or Purple .2.50
10 Day Lilies, Roots, Orange Flow .2.50
10 Crown Vetch .2.95
10 Candytuft, White .2.95
10 Babybreath, White .2.95
10 Shasta Daisy, Alaska .2.95
10 Lupines, Mixed Colors .2.95
10 Sedum, Dragon Blood .2.95
10 Fall Asters, Mixed Colors .2.95
10 Yucca, Candle of Heaven .2.95
10 Mums, Mixed Colors .2.95
4 Dahlias, Mixed Colors .2.95

BERRIES, FRUITS, AND HEDGE—1-2 Years Old

10 Rhubarb, 1 yr. Roots .1.95
20 Asparagus, 1 yr. Roots .2.25
25 Strawberry, Blakemore or Tenn Beauty .2.95
25 Gem Everbearing Strawberry .2.95
25 South Privet, 1-2 ft. .6.95
25 North Privet, 1-2 ft. .6.95
10 Multiflora Rose, 1-2 ft. .6.98

NATIVE WILD FLOWERS—1-2 Years Old

Collected from the mountains.
6 Lady's Slipper, Pink .2.50
8 Dutchman Breeches, White .2.50
6 Jack in Pulpit, Purple .2.50
10 Trilliums, Mixed Colors .2.50
10 Blue Bells .2.50
10 Maiden Hair Fern .2.50
10 Christmas Fern .2.50
10 Cardinal Flowers, Red .2.50
6 Dog Tooth Violets .2.95

DELIVERY DATE

Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, N. Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia

SPRING: Jan. 15-April 30
FALL: October 1-December 10

ALL OTHER STATES

SPRING: March 1-May 15
FALL: Sept. 25-Nov. 15

These are suggested dates by leading Nursery Associations. If these delivery dates are not acceptable to you please so instruct on the order form—Thank you very much for your cooperation. It is hard for us to give the exact date of delivery due to weather conditions in each state, however, every effort will be made to ship within the specified periods above.

Our plants are nursery grown from cuttings, seeds or budded stock unless otherwise stated. These have never been transplanted. Those marked with (*) Asterisks means these are collected from the wild state. Plants are inspected by the Tennessee Department of Agriculture. This gives you a chance to buy at lower prices. You may order as many or as few plants as you wish. Send \$2.00 extra with order for postage and packing. RUSH YOUR ORDER TODAY.
TWO-WAY GUARANTEE: We ship live plants packed well to reach you in perfect condition. However, sometimes a package gets lost and stays in transit a long time. In this case, in the Fall and Winter when plants are dormant you can scrape on the bark and tell whether the plants are alive or not. If the bark is green it is alive. We believe we have the best guarantee any mail order nursery could possibly offer. Here is our two-way guarantee. First guarantee—When you receive your order, if there are any plants in bad condition, you notify us immediately and we will replace absolutely FREE. Second guarantee—The reason we make this strong guarantee is because there is no reason any of the plants should die. However, if any fail to live within 12 months from the date of delivery, we will replace for one-half of the original purchase price, plus \$1.00 for postage and handling. No return of dead plants necessary. We guarantee our plants to be true to name and color. Anything that proves to be wrong color or variety, we will replace free.

LEE'S NURSERY

Rt. 2 Box 184 NC McMinnville, Tennessee 37110



LEFT - A vertical wall collector, lower left, and a glassed-in porch provide 40 percent of the heating needs for Lawrence Doxsey's house in Asheville. **BELOW** - Inside the Doxsey home, a retrofit "water wall" is used to absorb solar heat during daylight hours. At night, insulating coverings cover the window to hold the home's heat.



Solar Retrofit Becoming Important Energy-Saving Option for Homeowners

A variety of new low-cost solar energy collectors are making sun power an important new home improvement option for energy conscious home-owners.

For years solar energy systems have been recognized as significant potential energy savers in new home design. But the price and complexity of adding a major new solar system to an existing home has often put sun power out of the reach of the average homeowner.

A variety of simple but effective solar energy devices are now available for retrofitting existing homes to take advantage of the sun's warmth. How much energy they will save is largely dependent on the layout of the home and the particular site conditions.

The first requisite for a solar retrofit is a decent southern exposure. Obviously, if a home is shaded by evergreens or buildings on the southside, there is little point in considering a solar system.

Second, the long side of the home should face true south or at least within 30 degrees of true south. If this is not the case, it may be possible to angle collectors toward the south with roof racks or install them on the ground on a separate structure. Various types of solar collectors can be installed on the short side of the home, but cannot be sized as large as these on the long side.

One of the easiest systems to install on an existing home is a solar water heater. A typical water heating installation consists of two or three roof-mounted collectors, a solar hot water tank, and associated pipes and pumps. Cost for a system such as this

range from \$2,000 to \$4,000. A solar water heater should be a good investment for a family of three or four that currently has an electric water heater. Households in this situation are likely to spend \$200 to \$300 a year just to heat water. A properly sized solar water heater can save between 50 and 80 percent of this cost and pay for itself in as little as three years.

Reprinted from *Energy Issues*, newsletter of the North Carolina Energy Division.

The cheapest solar space heating system for an existing home is the so-called window box heater. This is nothing more than a rectangular box containing a black absorber plate with air-flow channels above and below the plate. The box is sealed with glass on its sun-facing side and insulated on all other sides.

The window box heater operates on the principle of natural convection—hot air rises and cold air sinks. When the box is positioned at the proper angle in a south-facing window, sunlight will heat the air in the top channel above the absorber plate and cause it to flow upward into the house. As the warm air flows out of the top vent, cooler air will be drawn into the lower channel and heated. Window box heaters can be built for as little as \$50 and can be expected to warm an average size room during the middle of a sunny day.

Another popular solar space heating device is the thermosiphoning air

panel, called a TAP for short. TAP collectors operate on the same convective principle as window box heaters, but are more efficient due to size and design. TAPs are mounted flush against the south wall of a house which saves space and reduces heat loss. The efficiency is further increased by locating air inlet and outlet vents at the opposite ends of the panel, rather than side by side as in the window box unit.

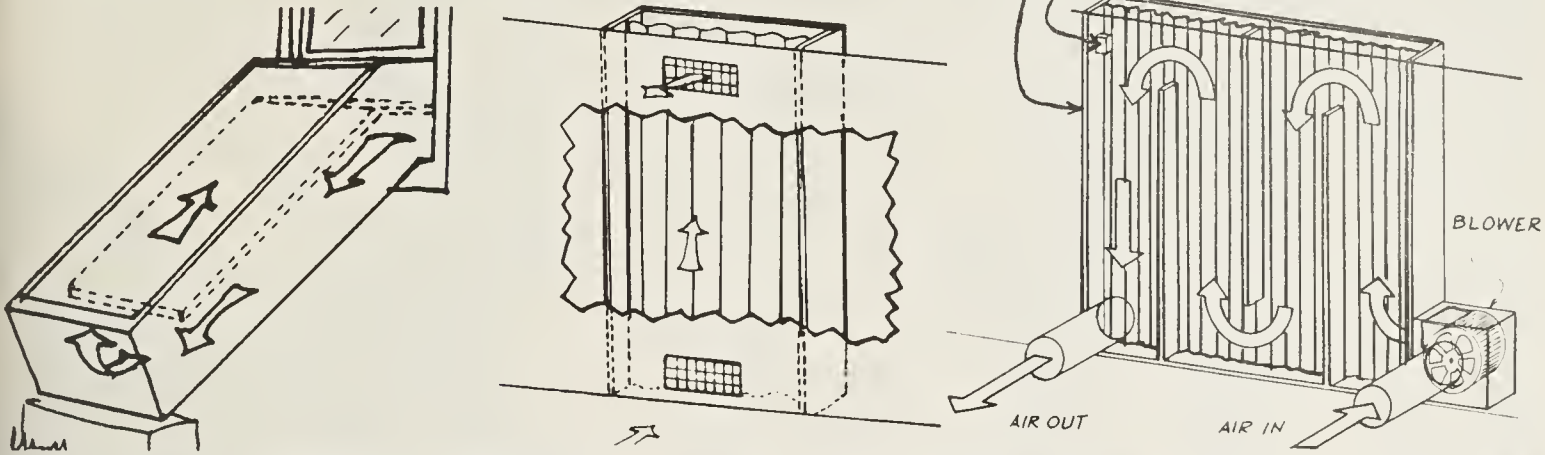
TAP air panels can be purchased commercially or assembled by the do-it-yourselfer for less than \$200.

The efficiency of a wall collector like the TAP can be further increased by the addition of a blower. The blower will reduce the temperature of the air coming out of the collector but will allow a much greater volume of air to be heated. With a blower, the collector can be expanded to cover an entire wall if necessary.

This type of system may cut winter heating bills by 40% or more.

Undoubtedly, the most popular solar heating device for existing homes is the attached solar greenhouse or solarium. Solariums take many different configurations, but the basic idea is to build a structure onto the south side of the home that will serve as both a solar collector and part-time living space. The south-facing wall of the solarium is normally glazed and tilted at an angle of 55-60 degrees for maximum solar collection. However, a vertical glass wall will take in 85-percent of the available solar radiation and cause fewer problems when it comes to waterproofing and summer

LEFT - One of the simplest of solar retrofit devices is the window box collector, through which air circulates by natural convection. CENTER - In the TAP wall collector, natural convection moves air past a sun-warmed absorber plate. RIGHT - A TAP wall collector can be made even more effective by incorporating a blower to circulate air.



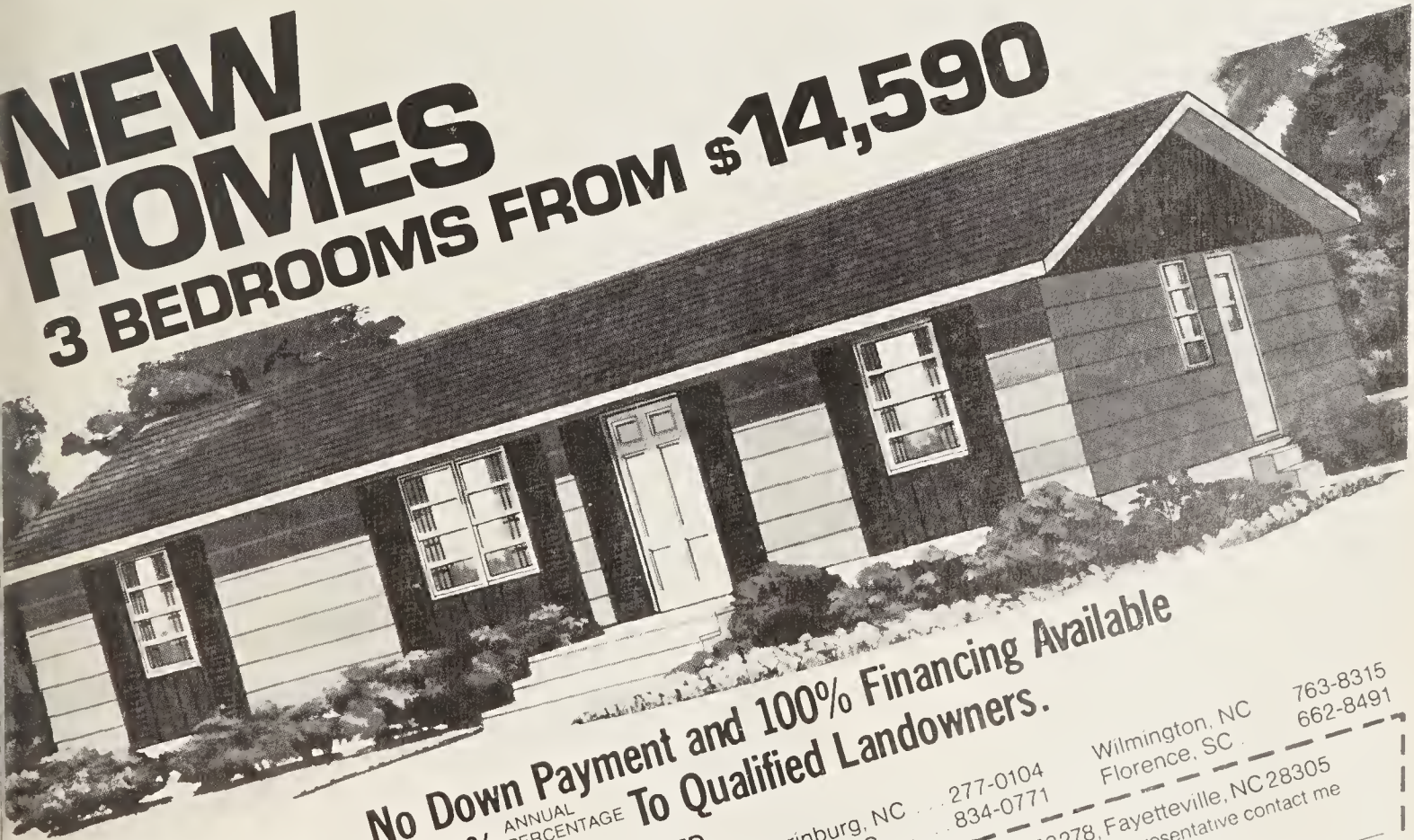
me overheating. The east and west
alls of a solarium can be totally or
rtially glazed, depending on whether
not the space is used to grow plants
d vegetables. (Vegetables may need
e extra light provided by glazed end
alls and slanted glass).
It is important to remember that a
larium which also functions as a

working greenhouse will not provide
much extra heat to the house. This is
because most of the heat collected
during the day will have to be stored in
the structure to keep plants warm
throughout the night. (Heat storage is
usually accomplished by placing 55
gallon drums filled with water inside
the greenhouse). It should also be

noted that if your sole purpose is to
provide heat to the house, a wall
collector such as that described
previously will be more efficient than a
solarium or greenhouse. This is
because a collector need not be
heated at night and lacks the large end
walls that are a source of heat loss in a
greenhouse.

NEW HOMES

3 BEDROOMS FROM \$14,590



No Down Payment and 100% Financing Available
To Qualified Landowners.
at 12% ANNUAL PERCENTAGE RATE

DISPLAY MODELS LOCATED
Fayetteville, NC 485-4111
Greenville, NC 758-3171

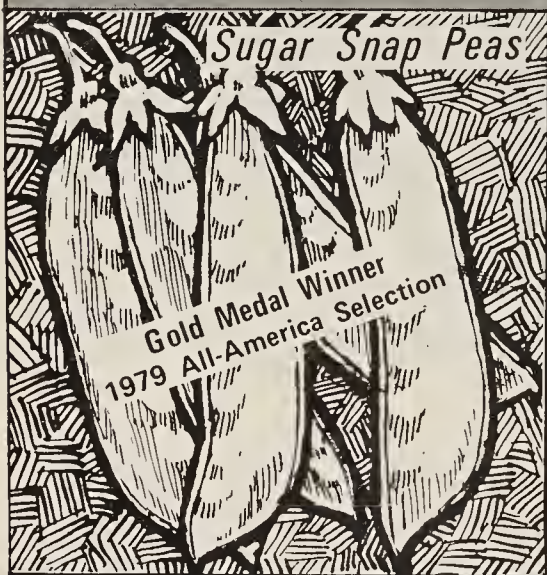
Laurinburg, NC 277-0104
Raleigh, NC 834-0771

Wilmington, NC 763-8315
Florence, SC 662-8491
P.O. Box 53278, Fayetteville, NC 28305

cmh
CAROLINA MODEL HOME CORPORATION

Mail to: CAROLINA MODEL HOME CORP. P.O. Box 53278, Fayetteville, NC 28305
() Please send free Home Plan Book
() Please have representative contact me
Name _____
Address _____ City _____ Zip _____ State _____
Phone _____
If rural route, give directions _____

FINAL COLLECTION OFFER FOR SPRING PLANTING



Special Offer Burgess Famous Garden Seeds

There's nothing quite like the joy of growing your own vegetable garden. AND nothing so delicious as fresh homegrown vegetables! It's one of the best ways, too, of saving money on the food bill.

THIS GREAT ASSORTMENT SELLS FOR \$14.20 AT OUR INDIVIDUAL PACKET (PKT.) PRICES

This is our Burgess Get-Acquainted Collection — and an unbelievable bargain. All varieties shown are proven reliable. Many are our own exclusive, superior-quality varieties.

This garden collection lets you enjoy an abundant harvest this year at the lowest cost imaginable. Save money on your garden now. **DON'T WAIT.** Check the coupon and mail now. You will also receive 2 rare Burgess Giant Pumpkin seeds **FREE** of extra cost for mailing your order early. This is the fantastic Burgess rarity that consistently produces fruit in the 225 to 300 pound class. **ORDER NOW.**



BURGESS Seed & Plant Company, Bloomington, IL 61701

14 VEGETABLE FAVORITES

Planned By Our
Garden Experts

**ALL FOR ONLY
\$3.98**

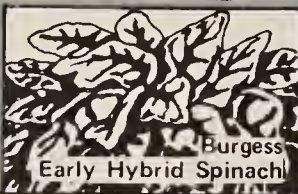
This Is Our Greatest
Garden Seed Bargain —
EVER!

Satisfaction Guaranteed

Full Warranty — We guarantee your satisfaction with seeds purchased from Burgess. If you are not completely satisfied in every way with your seeds return the **SHIPPING LABEL ONLY** by Sept. 1 for a free replacement or purchase price refund . . . your choice. We guarantee our seeds to be vigorous-growing, healthy and first class in every way.



Stuffing
Tomatoes



Burgess
Early Hybrid Spinach

Tender
Sweet
Carrots



**FREE
2 GIANT
PUMPKIN SEEDS**
Plus our booklet 'Growing The Burgess Giant Pumpkin' packed full of tips on growing contest-winning pumpkins at no cost to you if you order at once.

FREE SEED CATALOG

FREE "How To Grow" Instructions on every packet.

Sells For \$14.20 At Our Individual Prices

Our Prices If Ordered Separately From Our Catalog

We Send You All This:

- 1 Pkt. OAK LEAF LETTUCE — Has superb, buttery flavor. Does not become bitter in hot weather7
 - 1 Pkt. CYLINDRA BEETS — Sweet and tender. Highly productive. Excellent for slicing and pickling. Makes finest greens7
 - 1 Pkt. JUMBO CABBAGE (Premium Flat Dutch) — Largest of all cabbage. Flat, rounded at top. Keep a winter8
 - 1 Pkt. BURGESS JUMBO HYBRID TOMATO — Weighs up to 2 lbs.! Finest eating qualities — extra meaty — extra mild1.0
 - 1 Pkt. ROADSIDE JUMBO MUSKMELON — Big, deep-ribbed, delicious. By far, the best performer in our field trials1.1
 - 1 Pkt. ZUCCHINI HYBRID (Blackjack) — F1 hybrid grows shiny, dark green fruits in abundance. Slice, fry, bake9
 - 1 Pkt. BURGESS GREEN ICE CUCUMBER — Tremendous yielder. Tender, thin, smooth skin with no bitterness1.9
 - 1 Pkt. EARLY HYBRID NO. 7 SPINACH — Dark green and tender. Excellent for canning and salads7
 - 1 Pkt. PEACHES'N CREAM MAIN CROP SWEET CORN — Extra tender and sweet. Stays edible longer than other varieties1.10
 - 1 Pkt. TENDER SWEET CARROT — One of the sweetest and finest carrots. Deep orange with indistinct core60
 - 1 Pkt. SUGAR SNAP PEAS — 2 times more productive than standard edible-pod or shelled peas. Delicious!1.10
 - 1 Pkt. BURGESS STUFFING TOMATO — Firm bright red tomatoes are almost hollow. Wonderful for stuffing with cold salads1.00
 - 1 Pkt. BURGESS SPECIAL RADISH — Our select strain of Early Select Globe is unequalled7
 - 1 Pkt. TOPCROP BEAN — Gives dependable, high yields80
 - 1 Pkt. GIANT PUMPKIN SEEDS — Wins lots of prizes at fairs — in 225 to 300 lb. class! Fascinating! (2 seeds)1.00
- PRICE IF PURCHASED INDIVIDUALLY . . . \$14.20**
All 15 Vegetable Seed Pkts. For Only \$ 3.98

Mail Coupon Today

BURGESS Seed & Plant Company
DEPT. 8959-11
905 Four Seasons Road
Bloomington, Illinois 61701

© BURGESS 1980

- ☐ Cat. No. SC6071 — GIANT 14 Pkt. Assortment plus GIANT PUMPKIN SEEDS, Free Catalog and Planting Guide \$3.98
- ☐ Cat. No. SC6072 — DOUBLE ORDER — 28 Pkt. Assortment plus 4 GIANT PUMPKIN SEEDS, Free Catalog and Guide \$7.49
- ☐ Remittance Enclosed. Add 50¢ Handling Charge.

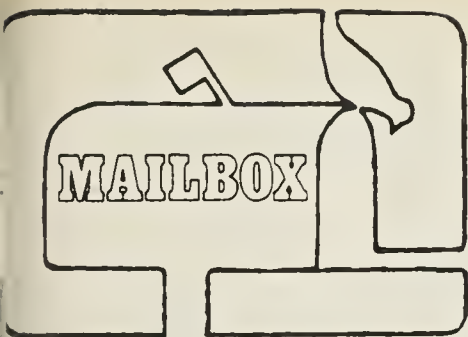
NAME

ADDRESS

CITY

STATE

ZIP



I Was Upset"

As an employee of the U.S. Postal Service, I was upset by your article in the November issue—"The U.S. Mule Does It Again!" Even though it was in the "Grits" section, it was a negative message mailed to 300,000 homes. I am even more upset with the fact that as an EMC member this was done at my expense. It is my belief that negative messages for the sake of getting a laugh have no place in our society.

R.D. Love
Rt. 3, Madison

"I've Got Quick Fix To Make 'Chime' Clocks Run Accurately"

On the back cover of the July issue was advertised a "London Chime Clock." I ordered two of these clocks at that time. They arrived four months to the day from the time I ordered them. Now—I can forgive the delay. I can even forgive the fact that they don't chime, but I think that any clock should keep reasonably accurate time!

Well, I have no quarrel with you. The point of my letter is that I've found a quick, simple 'fix' which makes these clocks run quite accurately, for a cost of about six cents and ten to fifteen minutes' work. I will pass along my method to any one interested on receipt of \$1.00 and a self-addressed stamped envelope. It's really a nice looking clock even with its shortcomings.

I enjoy the magazine—the front covers are beautiful.

Robert O. Morse
Rt. 2, Murphy

We cannot offer an opinion on the merits of Mr. Morse's method of adjusting these clocks. However,

readers who purchased such clocks and find them to be unsatisfactory can get a full refund by simply returning the clocks to the distributing company. If any problems are encountered in seeking refunds, please report them to: The Editor, Carolina Country, P.O. Box 27306, Raleigh, N.C. 27611.

"A Wonderful Bit of News"

It was a wonderful bit of news for me when I received a letter from our dear friend John Trott that you have made the beautiful cover picture of John's cardinal photo—from the marvelous *Birds of the Carolinas* book—available, and at such a reasonable price?

My appreciation would be most great if you could send me four copies as soon as possible.

John taught my youngest daughter and is a close friend of us all. Two of our children lived in North Carolina several years ago—one went to Duke and another to N.C. State.

Joy S. Rabb
Arcadia, La.

Reprints of the cardinal photo, which appeared on our cover last April, are available for \$4 each by writing: Cardinal Photo, Dept. 10, P.O. Box 27306, Raleigh, N.C. 27611.



SALE

Beautiful
Early American
COLONIAL LOFT™
BEDSPREADS

Heavy—soft—durable
100% Quality Cotton
Machine washable
Choose white or natural
Special Prices:

80 x 110, value \$40..... only \$29.95
96 x 110, value \$45..... only \$35.95
102 x 120, value \$55..... only \$43.95
120 x 120, value \$65..... only \$49.95
Twin (standard), value \$12..... only \$9.95 ea
\$2.50 per order for shipping

100% Natural Cotton, soft but ever so durable. A true legacy of Early America. This elegant woven bedspread is fully pre-shrunk and machine washable, with no ironing ever. Rich, full, all-cotton decorator fringe. **Guaranteed.** We ship fast.



Homespun Crafts

Dept. CC-1, Box 1776
Blacksburg, S.C. 29702

Gentlemen: Please rush _____ "Colonial Loft"

_____ Size spreads & _____ shams, color: _____

☐ Check ☐ M.O. enclosed ☐ M.C. ☐ Visa

Credit Card No. _____ Exp. Dt. _____

Name _____

Address _____

City _____ State _____ Zip _____

M/C, VISA orders—call Toll Free: 800-458-3491, Ext. 85-G

CALL NOW!

Subscribe to

The Homemaker

Now homemakers have their own magazine! With news about Extension Homemaker club projects and activities, ideas for crafts and needlework, recipes galore and homemaking articles to save you time and money. *The Homemaker* is published every other month and is available by subscription only. Order now and save as much as \$8 off cover price.

Yes, Please send me **THE HOMEMAKER**

☐ 2 Yr \$10 ☐ 1 Yr \$6

Name _____

Address _____

City _____

State _____ Zip _____

Send check with order to:

The Homemaker

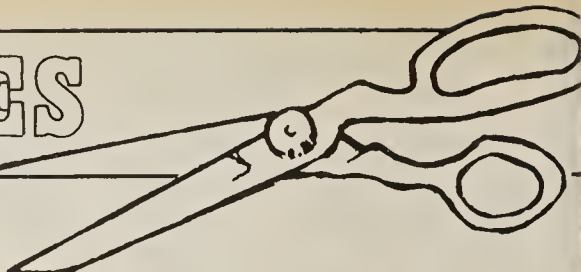
Dept. 10

P.O. Box 27306

Raleigh, N.C. 27611

Make check payable to The Homemaker

FASHION FAVORITES



Quick Cape!
Printed Pattern



9137
SIZES
8-18

No Waist Seam!
Printed Pattern



4622
SIZES
10½-20½

Easy-Sew Culottes
Printed Pattern



9180
WAIST
31"-49"

Tunic or Smock!
Printed Pattern



4791
SIZES
8-8-10
M-12-14
L-16-18

Jumper or Dress!
Printed Pattern



9146
SIZES
10½-20½

FASHION FAVORITES

Pattern No. 9137 is cut in Misses sizes 8, 10, 12, 14, 16 and 18.

Pattern No. 4622 is cut in Half sizes 10½, 12½, 14½, 16½, 18½ and 20½.

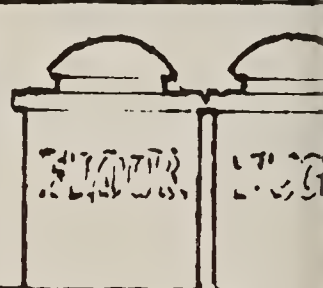
Pattern No. 9180 is cut in Women's Waist sizes 31, 33, 35, 37, 39, 41½, 44, 46½ and 49.

Pattern No. 4791 is cut in Misses sizes small (8-10), medium (12-14) and large (16-18).

Pattern No. 9146 is cut in Half sizes 10½, 12½, 14½, 16½, 18½ and 20½.

Send \$2.00 in cash (no stamps) for each pattern to: CAROLINA COUNTRY, Box 42, Old Chelsea Station, New York, NY 100
Add 50¢ for first class mail and special handling. Be sure to include your full address, zip code and pattern size.

COUNTRY KITCHEN



COUNTRY KITCHEN

Looking for an inexpensive, but tasty dish to serve after the holidays have taken a huge bite out of your budget? Well, this recipe from Vancy Scott fits the bill. Not only is it quick and easy, but it's also very inexpensive. "If you want a one-dish meal, you can add vegetables such as carrots and peas, or your favorite," says Mrs. Scott. She added that they should be canned or pre-cooked before adding to the broth and soup mixture.

COUNTRY KITCHEN

Submitted by Vancy B. Scott of Candor

Melt In Your Mouth Chicken Pie

2½ to 3 lb. fryer

1 can undiluted cream of mushroom
or cream of chicken soup

½ tsp. black pepper

1 C. buttermilk

2 C. reserved chicken broth

1 stick melted margarine

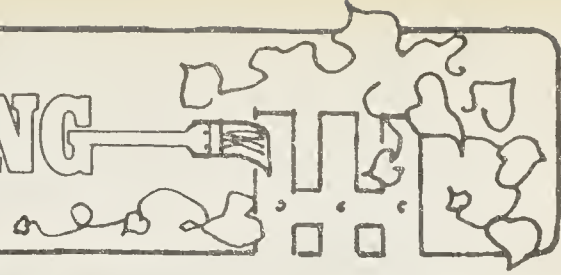
1 C. self-rising flour

1 tsp. salt

Cook chicken until tender (pressure cooker speeds time). Remove meat from bones. Reserve broth, cut chicken into small pieces and place in a 13x9x2 inch pan. In a saucepan mix and bring to a boil the reserved chicken broth and soup. In another bowl, combine margarine, pepper, salt, flour and buttermilk. Mix thoroughly to form batter. Pour broth mixture over chicken. Spoon batter over top. Bake at 425° for 25 to 30 minutes.

If you would like to share a recipe with this column, send it to: CAROLINA COUNTRY, P.O. Box 27306, Raleigh, NC 27611. We pay \$5. for published recipes and present each monthly winner a set of 50 recipe cards with the winning recipe printed on them.

DO YOUR OWN THING



TAKE SOME TIME FOR TOLE

Tole and decorative painting fall under the category of "method painting." That means it follows an orderly and systematic procedure which is easy to learn. This 35-page instruction booklet guides you in the step-by-step procedures known as tole painting.

Full-size traceable patterns and detailed instructions tell you how to create decor such as mushrooms, apples, pumpkins, daisies, berries, holly and more. Color charts along with hints for shading and blending those colors give all your work that extra special touch. Beginners will learn how to use a brush, how to change paint consistency, set up a palette and the differences between oil and acrylic paint.

To obtain TOLE & DECORATIVE PAINTING, #GM33, please send \$5.00 (includes 1st class postage and handling). Also available, the 1982 edition of our 112-page PATTERNS FOR BETTER LIVING book picturing almost 700 wood-working and handicraft projects... \$1.95 (includes postage). Print your address and send your check to:

CAROLINA COUNTRY
P.O. Box 2383
Van Nuys, California 91409



GOSPEL PIANISTS AND ORGANISTS

2 Exciting New Books on How to Play

[1] GOSPEL MUSIC
Shows how to play melodies in right hand, chord with left. Play rhythm bass, fills, runs, "cross hands" style, "walking" basses, melodies in 3rds, 6ths. Easy 20 lesson course for \$6.98 + 60c pstg.

[2] HYMNS BY EAR
Shows how to play and CHORD any hymn you've ever heard-entirely by ear! How to find the right starting notes, add chords, play in easy keys first, then in any key! \$6.98 + 60c pstg.

BOTH \$12.95 PPD. DAVIDSONS 6727 NE Metcalf
GUARANTEED Shawnee Mission, Ks. 66204

Inter-State Nurseries
delivers Hamburg, Iowa 51640
Postpaid & Guaranteed

One Dozen Giant Ruffled Glads \$1.00

Double your money back if not completely satisfied.
New and superior varieties...if bought by name they would cost \$2.40. Colors range from white to purple, pink, rose, yellow, lavender, orange. This year we added **Red Beauty**, one of the brightest glads known. Big bulbs, 1 to 1 1/4 inches across. Glads will bloom for you this summer.

Free Spring Catalog

INTER-STATE NURSERIES
3012L 112 E Street, Hamburg, Iowa 51640
☐ Free Spring Catalog ☐ 12 Glads \$1.00

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

Glads will be shipped at proper planting time

This "Golden Bead Trio" Necklace can be yours FREE!



Now you can discover how easy it is to earn \$25, \$50, even more in your spare time as a Blair Dealer. You set your own hours, you are your own boss. No experience necessary, no investments.

As a Blair Dealer, you have seven product lines. Fragrances... fashion jewelry... cosmetics and toiletries... personal care and health aids... home helpers... food products and popular gifts—why it's a catalog shopping center! These products are exclusively for our Dealers, they aren't available at any store. And to make your job easier, we keep our prices low.

You'll find satisfaction in a new part-time career—selling products that practically sell themselves. Save money, too, by buying your own beauty aids and home products at special low dealer's prices.

Send the coupon today and begin earning your own spare-time income as a Blair Dealer. It could be the beginning of a whole new fascinating way of life for you.



Offer good only in USA

Just fill in the coupon and we'll send you the Golden Bead Trio Necklace, plus Blair's Beauty Kit. This kit could be your start on a brand new part-time career. Choose your own hours!

Blair, Dept. 528 PA Lynchburg, Va. 24506

Please send my "Golden Bead Trio" Necklace and Blair Beauty Kit (a \$14.75 total retail value) including two Blair best-selling products in full sizes. I'll keep this \$14.75 kit FREE if I decide to become a Blair Dealer and send an order within 30 days.

However, if I decide not to become a Blair Dealer, I can still keep my "Golden Bead Trio" Necklace and the tube of Hand Cream FREE. (In that case, I'll return the other product.)

Name _____ Age _____
Address _____
City _____
State _____ Zip _____
Phone () _____

140-90-2B

Carolina Country Advertising Standards

Advertising published in *Carolina Country* is accepted on the premise that the merchandise and services offered are accurately described and willingly sold to customers at the advertised price. Neither the publication nor the N.C. Association of Electric Cooperatives, nor the member cooperatives endorse any products or services advertised.

Advertising that does not conform to these standards or that is deceptive or misleading is never knowingly accepted. Should you encounter non-compliance with these standards, please inform the editor at P.O. Box 27306, Raleigh, N.C. 27611.



Sign at a church rummage sale:
"Your chance to rid your house of everything not worth keeping, but too valuable to throw away. Bring your husband."

.....

Note on a parcel post package:
"Fragile, throw underhanded."

.....

A young father was pushing his son's stroller through a crowded supermarket. The youngster was howling with rage.

"Please, Billy, control yourself," the father said quietly. "Easy there, Billy, keep calm."

"You certainly know how to talk to infants lovingly and calmly," noted an onlooker. Then, looking at the baby she said, "Hello there, Billy."

"No," replied the father. "His name is Tommy, I'm Billy."

.....

A mountaineer seeing his first motorcycle on the road raised his rifle and fired away.

"Did you get that varmint?" his wife asked.

"Hit it, but didn't kill it," he said. "I can still hear it growlin', but I sure made it turn that poor man loose!"

.....



AN INTERESTING CONCEPT - BUT JUST WHAT MAKES YOU THINK THE ARABS ARE SECRETLY BUYING UP FARMLAND?



40 YARDS LACE \$1.7

LACE — LACE — LACE . . . 40 yards of L in delightful patterns. Edgings, insertions, etc. Assorted beau designs, colors and widths. Pieces at least 10 yards in length— smaller. Marvelous for dresses, pillow cases, etc. Terrific as facing on new double, knit fabrics. Only \$1.75 or double or \$3.35. 3 orders just \$4.95. Pts. include 50¢ pstg. and hding EACH set of 40 yards you buy. Satisfaction guaranteed!

FREE with lace 50 BUTTONS!
50 New, High Quality Buttons. Assorted colors, sizes and shap Sent FREE with each lace order. Please allow up to 6 weeks delivery.

LACE LADY
1602 Locust St.

DEPT. LB-4
St. Louis, MO. 631

RARE & EXOTIC BREEDS

Chickens and Bantams



Including Araucanas that lay colored eggs. Choose from 30 different rare breeds and Bantams. Also 24 of America's popular standard breeds. Safe shipment to all 50 states and possessions. Write for Big FREE Picture Catalog.

GRAIN BELT HATCHERY

Box 125-118, Windsor, MO. 65360

Cover Reprints



Through a special arrangement with noted wildlife photographer John Trott, we are now offering reprints of the outstanding photo of a male cardinal that graced the cover of the April *Carolina Country*.

The photo, which appeared in the book *Birds of the Carolinas*, is reprinted in the size of the magazine, with a white border on heavy 11" by 14" glossy finish stock. They're priced at \$4 each, including postage charges. Use the coupon below to order your copy.

Orders received after Dec. 15 cannot be guaranteed for delivery before Christmas.

Mail orders to Cardinal Photo Dept. 10, P.O. Box 27306, Raleigh, N.C. 27611.

Please send me _____ cardinal cover reprint(s). Enclosed is \$ _____

Name _____

Street _____

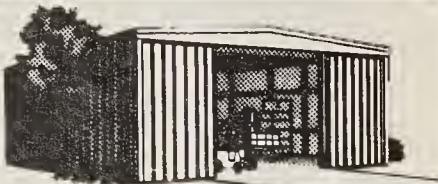
City _____

State _____

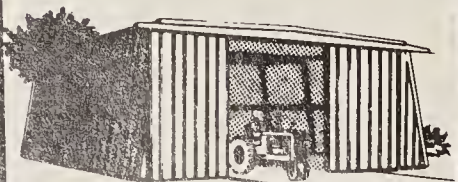
Zip _____

CLOSEOUT

26 GA. STEEL BUILDINGS



24x25x8.....\$ 2,478
30x50x8.....\$ 3,774
30x50x12.....\$ 4,258
40x50x15.....\$ 5,711
50x75x15.....\$ 9,679



30x25x12.....\$ 2,558
40x25x15.....\$ 3,470
50x75x15.....\$ 8,049

Other sizes available

FOR SHIPMENT
ACCESSORIES EXTRA

Arco

TOLL FREE
1-800-241-6539

STEEL BUILDINGS

23214th st. Tucker, Ga 30084

Let Our Vibra-Massage Do The Work While You Just Sit Back And Relax!

NOW! TONE MUSCLES AND TRIM YOUR FIGURE FAST!

WAS ~~\$29.99~~ **\$19.99**
NOW ONLY



No More Strenuous Exercise, No More Dreary, Drab Diets!

Here's the miraculous new way to tone up flabby muscles, and firm up a flabby figure that all the women are raving about! It's like having a professional Swedish masseur at your beck and call—for a relaxing rub down, or a figure-firming massage.

The Vibra-Massage works electronically to tone your body, take care of troublesome bumps and bulges, dissolve away Cellulite, and whip you back into shape. And all you do is lie back and enjoy!

2,000 Vibrations Per Minute

Simply slip the adjustable Vibra-Massage around your waist, buttocks, hips or thighs...turn it on...and let it go to work. Dozens of suction-cup "fingers" knead and massage just where you want them. Set it on "high" and 2,000 vibrations per minute stimulate circulation, tone up flabby muscles, and massage away excess fat and fluid to trim your figure fast



Use it on waist, hips, thighs or buttocks to massage away unsightly lumps and bulges, and firm up your figure fast!

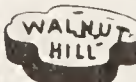
Or, turn it on "low" for a gentle, relaxing massage that eases away tension and strain, relieving aches and pains, and soothing away the cares of a tiresome day.

Like the Expensive Figure-Salon Models

The Vibra-Massage is beautifully made with a 45" adjustable belt, and an extra-long 66" power cord. It's just like the expensive, professional units used in the expensive figure salons Park Avenue socialites and Hollywood movie stars go to for help with their figures. Yet it's available to you now—direct-to-your-home-by-mail—for just \$19.99, on our money-back guarantee of satisfaction. Send for yours today.

30-DAY MONEY-BACK GUARANTEE

You must be thrilled with the way Vibra-Massage tones up flab and firms up your figure, or return it anytime within 30 days for prompt refund of purchase price (except shipping and handling).



WALNUT HILL COMPANY

Dept. RNC-201

65-19th Street, Brooklyn, NY 11232



Please send me ☐ Vibrating Belt(s).

☐ One Belt for just \$19.99 plus \$3.75 shipping & handling.

☐ **SAVE \$5.00!** Two Belts for just \$34.99 plus \$5.85 shipping & handling.

(Sorry, no C.O.D.'s).

Or use your credit card ☐ MasterCard ☐ Visa

Card # _____ Exp _____
Date _____

Print Name _____

Address _____

City _____

State _____ Zip _____

©Walnut Hill Company 1980

Child Safety Seats Reduce Fatalities By 70-95 Percent

In North Carolina, an average of 25 children aged four and under are killed and hundreds injured in auto accidents each year.

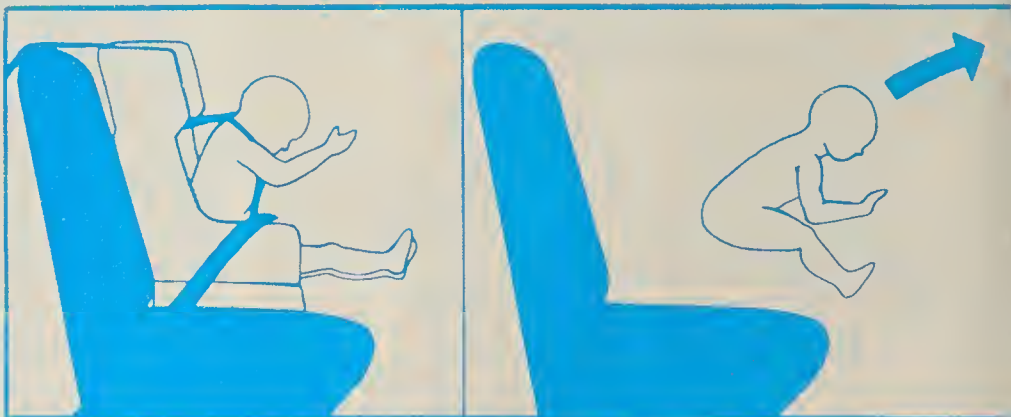
Child safety seats could have saved 80 percent of those killed.

"A child's risk of dying in an auto accident under four years of age is 50 times greater than that from all other childhood diseases," says Dr. Frances J. Wagner, extension human development specialist at North Carolina State University.

Because of this danger, more and more states are passing laws requiring child protection in automobiles.

The number of states with some sort of legislation is 11 so far, and North Carolina is one of the leaders in this field.

Passed in July, 1981, the child-restraint law in North Carolina will go into effect in July, 1982.



Here is what the law will require:

Parents, transporting their own children under two years of age, in their own vehicles, must secure the children.

Children below age one must be secured in a child safety seat approved by the Commissioner of Motor Vehicles.

Children between one and two will be required to be secured in an approved child safety seat or by an adult seat belt.

Exempted are vehicles registered out of state and emergency vehicles. Parents can, of course, remove the children from restraints while tending to personal needs.

The penalty for violation of the law in the first two years will be a warning. After the law has been in effect for two years, the penalty will be a \$10 fine.

Dr. Wagner pointed out that 90 percent of North Carolina children are immunized against disease, while only 10 percent are restrained at the time of an accident.

Many parents may see the law as requiring them to make a costly purchase or install a device not already in the car, as a seat belt is.

"But," says Dr. Wagner, "we are talking about the life of a child." And experts say buckling up will reduce fatalities by 70 to 95 percent.

If cost is a factor, there are organizations that offer "loaner" seats and programs to help organizations get involved providing this service.

"There is no 'best' style of safety seat," says Dr. Wagner. "The important thing is to find the one that suits your child's development and your car."

When a child weighs under 20

pounds, he or she needs a tub-shaped carrier. This is used facing the rear of the car, secured by seat belts.

Some carrier models, Dr. Wagner says, convert to child seats for use from birth to 40 pounds. These represent saving because of the longer use.

But be aware that some infant seats require a tether strap with a hook drilled in the rear window shelf.

For children larger than 20 pounds who can sit up by themselves, there are padded shield seats that children can climb in and out of and a harness type for active or unruly children. Some of these, too, may require an anchor tether strap.

Booster seats, which are new, should be used only with upper torso support, either from the lap and shoulder belt or from the body harness.

Adult safety belts are acceptable only for children who have outgrown their safety belts or can sit up by themselves when no safety seat is available.

Belts should never be allowed to cross the child's face or neck, nor should a child be boosted by pillows.

A well-designed child seat or infant carrier costs between \$15 and \$30. There are less expensive ones available, says Dr. Wagner, but they're not worth the cost unless they're crash tested.

For families who may have trouble meeting the cost of a safety seat, there are at least 20 active loaner programs in the state.

For more information about renting a safety seat or getting your organization involved in the loaner program, contact the University of North Carolina's Highway Safety Research Center in Chapel Hill or your court extension office.

The freedom of owning is affordable!

The Frontier House is not a shell. It's completely finished, ready to move into. We'll build it on your lot to meet FHA and VA specifications. First class workmanship and materials are guaranteed.

This popular model is the perfect combination of rustic charm, quality construction and convenience. 3 bedrooms and a choice of 1 or 1½ baths. Beautiful kitchen and bathroom cabinets and fixtures, thermostatically controlled electric

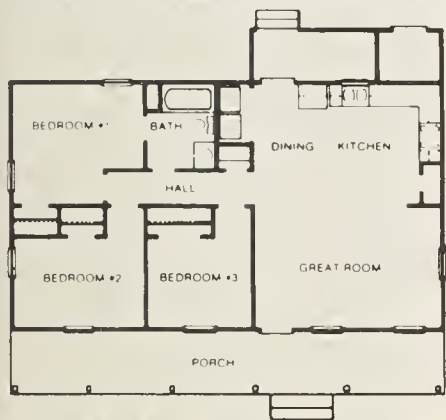


baseboard heating and water heater are standard equipment. The choice of carpet, vinyl flooring and paint colors is yours. Options include fireplace, central air conditioning and carport with outside storage.

We can arrange conventional, FHA and VA financing. As your builder, we also pay all the loan closing costs. More good reasons to look into Freedom Family Homes.

"We trade for mobile homes."

Frontier House



Freedom Family Homes

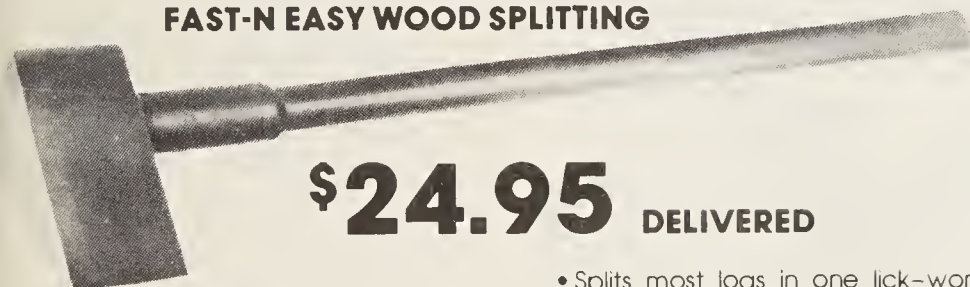


Name _____
Address _____
City/State _____
Zip _____ Phone _____
I () do, () do not own,
() plan to purchase a lot.
Directions to my home. _____

Please send information on your Frontier and other model homes.
P.O. Box 618, Dunn, NC 28334 (919) 892-1231

SOTZ MONSTER MAUL

FAST-N EASY WOOD SPLITTING



\$24.95 DELIVERED

SPECIFICATIONS

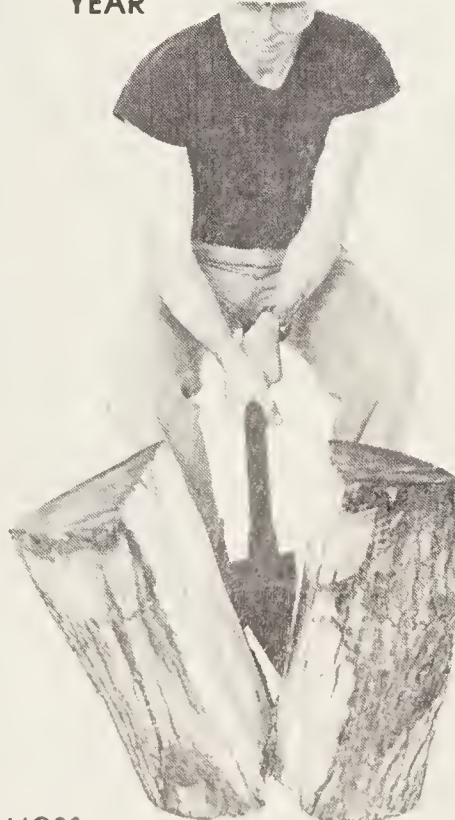
Weight: Head-12 lb. (Total weight 15 lb.)
Construction: High-carbon steel head, hardened edge. High strength steel handle.
Guarantee: 1-YEAR TRIAL OFFER + 10 years against failure.
Price: **\$19.95** Factory pickup.
\$24.95 Delivered to your door.

VISA or MASTERCARD RUSH ORDERS
CALL TOLL FREE 1-800-321-9892
Inside Ohio 1-216-236-5021
OR SEND CHECK OR MONEY ORDER.
Sorry No C.O.D.'s

- Splits most logs in one lick—won't stick.
- No struggling lifting heavy logs up to high priced power splitters.
- Drop 'em, saw 'em, stand 'em up, and split 'em!
- Forget about lost, stuck, or flying wedges.
- No gasoline, no set-up, no take-down.
- No wooden handles to replace.
- No gimmicks. Just simple physics!

We at Sotz have been making the same quiet offer for years: Try a Monster Maul at our risk! Within one year, if you don't think it's the fastest, least tiring method of splitting firewood, let us know, and we will give you your money back, including shipping . . . Plus, it's guaranteed against failure for 10 years.

OUR 25th
YEAR



Sotz Corporation, 13688 Station Rd., Columbia Station, OH 44028

COMMENTARY

Electric Rates: Bad News and Good News

This column was written by Robert Partridge, executive vice president of the National Rural Electric Cooperative Association.

The rates you pay to your rural electric cooperative may be higher or lower than the nearest commercial power company, but on a national average, rural co-op rates are 12 percent higher than neighboring investor-owned utilities. What's more, in some parts of the country that difference could become even greater in the next several years.

That's the bad news.

The good news doesn't show up as dramatically on your bill each month, but it is still important. The good news

is that you can get all the electricity you want, and that assured supply will continue. And your co-op is giving you the best deal possible on that electricity. If an investor-owned utility were to take over for the co-op, your rates would still be at least as high, and probably higher.

The reason rural electric co-op rates are on the average higher than those of investor-owned utilities is simply that it costs more to serve areas with fewer people. With more than 35 people to pay for a mile of electric line in the country, the cost per consumer can't help but be more in rural areas. There are two main ways to help equalize those disparities, but they still can't completely erase the differences.

One of those cost-cutting methods is the organizing of the rural electric systems as cooperatives. Besides giving you a voice in the utility, the cost of running a co-op is less than that of an investor-owned utility because a co-op doesn't channel part of its income into profits. A private company exists to earn profits for its stockholders or owners. But a consumer-owned cooperative exists to provide electricity at a cost that reflects only actual operating expenses and repayment of debt.

The other equalizer is the Rural Electrification Administration, a 40-year-old agency of the federal government that administers a program of loan guarantees and low-interest loans for rural electric lines and power plants.

While cooperative organization and REA loan programs may sound good, though they should drive rural rates far below those of city power companies, investor-owned utility rates would be higher without their own benefits. The White House has estimated that the annual cost to the government of the REA loan programs is the equivalent of about \$9 per residential co-op consumer. Investor-owned utilities, on the other hand, are allowed tax breaks that amount to about \$42 per customer, and more under the new tax law that took effect in October. The difference is so great that some co-ops are looking at ways to give up their tax-exempt status but still retain the cooperative character.

The point is not that private utilities don't deserve tax breaks. The entire electric industry is facing financial difficulty and the government should make sure that everyone will continue to have a dependable supply of electricity. The point is that co-ops aren't getting as much assistance as other utilities, yet they have the disadvantage of fewer consumers to pay for costs that are the same whether you're in the city or the country. The result, unfortunately, is higher rates in rural areas.

And yes, things could get worse. The reason for that is that cooperative have only started building their own power plants in a big way in the last 10 or 15 years. With inflation and soaring

Raise \$50, \$100 or more for your church or group with Wade's Tri-Color PRAYING HANDS PEN

- Take no risk
- Make no investment
- Never spend a penny of your treasury's money
- Everything shipped on credit
- Pay only after you collect

As America's favorite fund-raiser, Anna Elizabeth Wade has helped over 100,000 organizations raise money. Now she wants to help your church or group do the same with this attractive PRAYING HANDS PEN.

Praying Hands picture and the immortal Serenity Prayer make this pen both inspirational and practical. With a flick of the finger, ink color changes from red to blue to green. Handy for book-keeping, balancing checkbooks—many other uses for home, school, and office. Approx. 5½" long.

Pen sells for \$1.25—and you keep 50¢ (regularly 45¢) profit on each sale! Have just 10 members sell 20 pens each and put \$100 profit into your treasury. There is no risk... order on credit... take up to 45 days to pay. Send coupon for details today.

Individually
packaged
in
see-through
wrapper

3 PENS in ONE

RED
BLUE
GREEN

ACTUAL
SIZE

ON BACK
God grant me
the serenity
to accept the things
I cannot change,
Courage to change the
things I can,
And the wisdom to know
the difference.

Your Profit Picture

Your Group Orders	10 Members Each Sell	You Pay Us	You Keep For Your Treasury
100	10	\$ 75	\$ 50
200	20	\$150	\$100

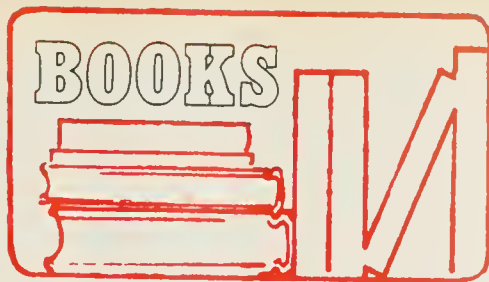
CALL TOLL-FREE
For information call 1-800-323-1717. Illinois residents call 1-800-942-8881. Ask for operator 63 and tell her that you are inquiring about the Wade 568 PA fund-raising plan.

ANNA ELIZABETH WADE
Serving American groups for over 60 years
Dept. 568 PA Lynchburg, Va. 24506

Please send FREE details on how to raise money with your Tri-Color PRAYING HANDS PEN. No obligation. No salesman or agent will call.

Print Name _____
Address _____
City _____ State _____ Zip _____
Name of Organization _____

140-TCP



erest rates, the past decade has
en a miserable time to build
anything as big as a power plant. But
ere is no other choice.

Rural electric systems began as
tribution co-ops, buying power
m private companies and federal
droelectric projects. Co-ops have
ways generated some of their own
wer, but until the 1950s, co-op
enerating capacity was still an
ignificant part of the electric utility
lustry.

By the early 1970s, however, the
restor-owned utilities were saying
ey weren't going to be able to sell
-ops all the power they needed, and
e generating capacity of the
droelectric dams was fast being used
All this came at the beginning of a
cade when city dwellers began to
discover the country, and started
oving onto rural electric lines in
ater numbers than ever before. The
e of electricity in rural areas has
ditionally increased faster than in
e cities.

Now that the population is also
owing faster in these remote areas,
the 1980 census confirms, that
dition will most certainly continue.
So it became clear that co-ops had to
gin the expensive move toward
ilding their own power plants. In
73 Congress set up the REA loan
arantee program, which is aimed
inly at financing the construction of
operatively owned generation and
nsmission power projects.

Some of the most expensive of these
jects are still being built, and when
ey are completed, the cost will begin
owing up on electric bills in some
as. For example, Basin Electric
wer Cooperative in North Dakato
ilt a plant in 1966 that produces
ctricity for 1.1 cents per kilowatt
ur. In 1985 Basin expects to finish
rk on a power plant that will
duce electricity for 6.1 cents per
owatt hour.

don't enjoy bringing bad news, but
e truth is that electric rates are high
d they're going to get higher. Your
al electric co-op, however, is doing
everything possible to keep rates as
v as possible and still keep the
ctricity flowing.

Politics Is My Parrish, by Brooks
Hays. Baton Rouge: Louisiana State
University Press, 291 pages, \$20.

The late Brooks Hays served his state
of Arkansas as a congressman for 16
years, his region on the Tennessee
Valley Authority, his nation as
secretary of state in the Kennedy
administration and his church as
president of the Southern Baptist
Convention and as a director of the
Baptist Ecumenical Institute at Wake
Forest University.

He was a national symbol for
equality of opportunity in a time and in
a state when it simply wasn't the smart
thing to do. But Hays was a man above
and beyond his times, a man of
integrity, conscience, love, gentleness
and strength.

He stood up when standing up was
hard—against Orval Faubus in the 1958
school desegregation crisis in Little
Rock. He lost his congressional seat,
but neither his purpose nor his vision.

This is a fascinating autobiography
of a truly great man, who still was
setting an example when he died
recently in his 84th year.

The book begins with Hays' birth in
1898 in Arkansas, his early years in that

state and in Washington and his
political setbacks before finally being
elected to Congress in 1942.

Before his defeat by Dale Alford in
1958, he served with distinction on the
House Foreign Affairs Committee. He
later did service at the United Nations
and with the TVA. Another political
defeat came in 1966 when he ran for
governor of Arkansas and lost again to
Alford.

Still later, he helped organize the
Baptist Ecumenical Institute at Wake
Forest University in 1968. Belmont
Abbey College subsequently joined
Wake Forest in the venture.

In 1970, Gov. Robert Scott named
Hays as chairman of North Carolina's
Human Relations Commission—and
Hays continued in that role under Gov.
Jim Holshouser.

He ran against Republican
Congressman Wilmer (Vinegar Bend)
Mizell in 1972. Hays took the high road
and the more liberal road—and lost to
Mizell.

Hays tells about it all, never losing
his wit or Christian charity. He does
show a bit of pique in writing about
Faubus in connection with the
governor's role in the 1958
congressional seat defeat. Hays holds
no grudges, but that one seems to have
hurt a bit.

Hays' spirit shines forth throughout
the book and he closes with the words
of his father, "a man's dreams should
not die till he dies." If we are lucky,
Hays' dreams didn't die with him.

What a man! What a book!

—Alex Coffin

Do-It-Yourselfers...Beat Inflation

Curtis Credit

Makes It Possible

to Become a Homeowner NOW!

Do you have the desire for a home...but not the dollars to afford it? Check these Curtis credit features: ■ **No big down payment.** ■ **Low, low monthly payments while building.** ■ **Your lot may not have to be fully paid for.** ■ **No installment payments for 6 months after 1st delivery of materials.***

Curtis does the hardest job, too. Our carpenters erect the frame on your foundation. Then you complete it with our step-by-step instructions.

With Curtis you can stop waiting...if you are willing to start completing your home now!

Send coupon or call. No obligation.

Allow three weeks for delivery or send \$1.00 for priority handling.

There's a representative near you!

Phone 1-800-358-9151 (toll free)

Complete It Yourself

Curtis Homes

If you have desire We have the trust!



*Finance charge begins on date of first delivery

Send me your **FREE** Homes Catalog

CURTIS HOMES, DEPT. NC-1

327 5th St., WDIP, Perrysburg, OH 43551

Name _____

Address _____

City _____

State _____

Zip _____

County _____

Phone () _____

I plan to do ☐ all or ☐ part of the finishing

☐ Enclosed is \$1.00 for priority handling

YOUTH FORUM

WHAT IS YOUR OPINION OF THE THREE-CENT GASOLINE TAX THAT WAS PASSED BY THE N.C. LEGISLATURE THIS YEAR? WHAT ADDITIONAL TAXES, IF ANY, DO YOU THINK SHOULD BE LEVIED, SUCH AS TAXES ON ALCOHOLIC BEVERAGES OR TOBACCO PRODUCTS?

My initial reaction to the three-cent gasoline tax was, "Is this tax necessary?" Although there is no distinct yes or no answer, I feel that part of the problem results from inefficient utilization on taxes that were already being levied. For example, I often feel that taxpayers are spending their money to pay two or three people who are doing a job that could be done by one. Taxing alcoholic beverages makes more sense than taxing gasoline. After all, while gasoline has become a necessity, alcohol has been and always will be a toxin. In conclusion, although it is impossible to please everyone, proper consideration and discretion of each tax decision could eliminate unnecessary taxing.

**Bonnie Goforth
Candor**

Bonnie is a senior at East Montgomery High School and enjoys reading, jogging, chess and playing the cornet. She and her parents,

If you have a good answer, send it to **YOUTH FORUM**, Carolina Country, P.O. Box 27306, Dept. 10, Raleigh, NC 27611 immediately. Tell us a few facts about yourself—your age, school, hobbies, etc. Include your parents' name and the name of the corporation serving you. If your answer is published, we will send you \$5. If you want to submit a question, send it along and for each one used, the sender will receive a \$5 check.

Mr. and Mrs. Grady Goforth, are served by Pee Dee EMC, Wadesboro.

I think that there shouldn't be a three-cent tax on gasoline, because gas is something that we all need. I think that there should be taxes on alcoholic beverages and tobacco products. People don't really need them, they just smoke and drink for pleasure. People who work are not getting paid more, but still the taxes are getting higher. If they have to tax gasoline, why can't they just tax the gas that race car drivers are using because that is just a waste of gasoline?

**LaVon Ivey
Waxhaw**

LaVon is a freshman at Parkwood High School and enjoys traveling and skating. She and her parents,

Mr. and Mrs. Curtis Lee Ivey, are served by Union EMC, Monroe.

I think the three cent tax should be on tobacco products and alcoholic beverages. Many small businesses depend on the gasoline for income, besides all of the people who depend on gas for traveling to work, school, etc. They can't do without, but the people who use tobacco products and alcoholic beverages are doing it for their own pleasure.

**Avery Sloop
Rockwell**

Avery is a freshman at Corrihams Lips Junior High School and enjoys sports, roller skating, pets and rock music. She and her parents, Mr. and Mrs. Jacob H.H. Sloop of Kannapolis are served by Davidson EMC, Lexington.

NEXT QUESTION: Do you think there is a lack of patriotism among teen-agers today, and why?



GROW HUGE, JUICY TOMATOES IN 90 DAYS!

BURGESS GIANT

CLIMBING TOMATOES
only \$1.00 BUYS a
JUMBO PKT.

A Full Season's Supply Of Seed
and a \$1.65 savings from our catalog price.
● BIG ● SWEET ● JUICY

THE TOMATO THAT MADE BURGESS FAMOUS

This amazing Burgess climbing tomato will give you juicy, red tomatoes up to 5" across - 3" deep, and weighing up to 2 lbs. each. Plump, round and smooth these super tomatoes have a wonderful no-acid flavor. You'll be amazed at how fast your climbing tomato vines will grow . . . up to 18' or more if trained on a stake or trellis. One seed can produce up to two bushels or more of tomatoes for just pennies each. **ORDER NOW . . . Plant seeds . . . wait just 90 days . . . then pluck, fresh juicy tomatoes daily for your dinner table.**

SORRY LIMIT OF 1 PACKAGE PER CUSTOMER
FREE SEED CATALOG INCLUDED WITH YOUR ORDER.

MAIL COUPON TODAY
BURGESS SEED & PLANT CO.
Dept. 8702-11 905 Four Seasons Road
Bloomington, IL 61701

Enclosed is \$1.00 for one S6702 Jumbo Pkt. of Climbing Tomato seeds -- Postage Prepaid. Illinois Residents Please Add 5% Sales Tax.

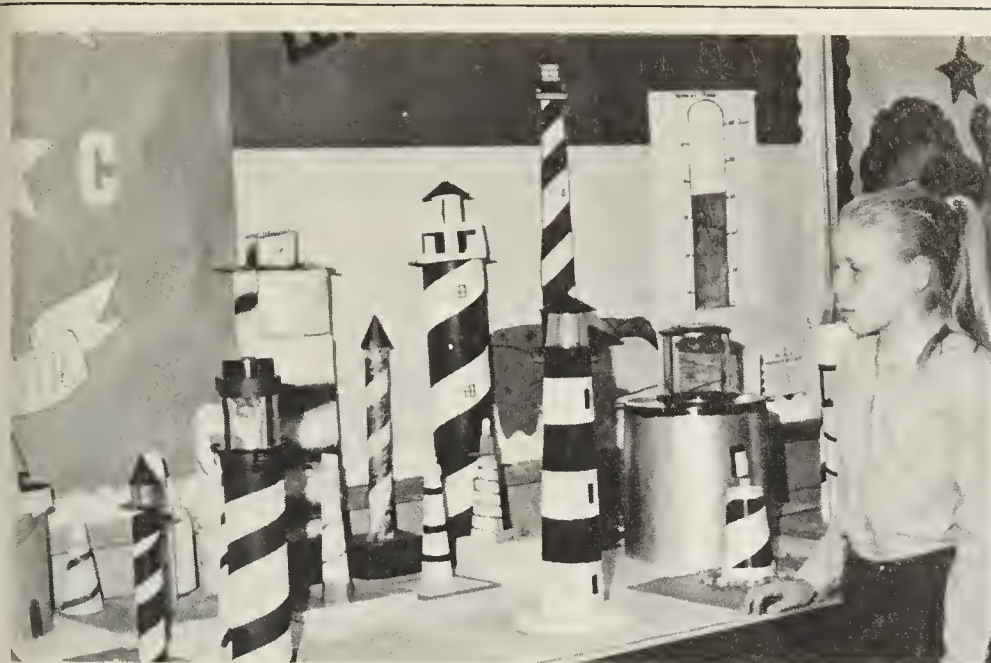
NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

FULL GUARANTEE

If not completely satisfied with growing progress of your Climbing Tomatoes in 90 days, RETURN THE SHIPPING LABEL ONLY for your purchase price refund.



—George Weaver

Mandy Lowder, president of the Hatteras Club of Mrs. Shirley Cook's fourth grade at Norwood Elementary School, looks over models of the Cape Hatteras Lighthouse that were made by the members of the club.

Stanly County Fourth Graders Become "Keepers of the Light"

The statewide effort to save the venerable Cape Hatteras Lighthouse from destruction by the surging waves of the Atlantic has taken on a special meaning for a fourth grade class at Norwood Elementary School in southern Stanly County.

After reading about the danger that the historic lighthouse faces in *Carolina Country* in September, the children in this class decided they'd try to help save it.

They formed their own Hatteras Club and proceeded to begin raising money to contribute to the save-the-lighthouse cause. The group's theme is "Let the Light Shine."

By mid-December, the club has raised just over \$100 which means the class has qualified to receive a "Keeper of the Lighthouse" certificate signed by Gov. James B. Hunt Jr. and Sen. Jesse Helms.

Mrs. Shirley Cook, the group's teacher, said the 30 children in the club canvassed Norwood stores to collected donations of such items as gum and candy, which were sold with proceeds going toward the lighthouse project.

The Good Cook's Best Friend

Carolina Country Cooking

Features about 100 mouth-watering recipes arranged in thumb-indexed sections. It's bound in a sturdy plastic notebook binder with room to insert other favorite recipes you want to save. The cover has a full color reproduction of "Ella's Cupboard," and original painting by Lexington artist Bob Timberlake.

Please send _____ copies of *Carolina Country Cooking* at \$5.95 each (handling and tax included). Enclosed is my check or money order for \$ _____. Make all checks or money orders payable to: *Carolina Country Cooking* and send, with this order form to: CAROLINA COUNTRY COOKING, P.O. BOX 27306, Raleigh, NC 27611.

Name _____
Street or _____
Rural Route _____
City _____
State _____ Zip _____

TAX REBATE SALE

COMMERCIAL • AGRICULTURAL

Century Steel Buildings

CALL TOLL-FREE

1-800-874-3830

Florida Dial 1-800-342-6301

26 Gauge Steel	30 x 25 x 12	\$2,451
Open Span	30 x 72 x 12	\$4,618
I Beam Construction	40 x 96 x 14	\$7,461
Accessories Extra		

BONDED DELIVERY

ALL STEEL - Other	24 x 44 x 10	\$2,990
Sizes Available	30 x 50 x 14	\$4,298
Limited Quantities	60 x 81 x 12	\$9,981
— F.O.B. FACTORY —		
12 LOCAL ZONING MAY AFFECT PRICES		

WRITE CENTURY STEEL BUILDINGS, INC.
2258 Riverside Ave. Jacksonville, FL 32204

Name _____
Address _____
City _____ State _____
Telephone _____ Zip _____

RARE BREED CHICKS

and Bantams from far away lands. Araucanas Lay Colored Easter Eggs Blue, Green, Pink, Olive, Gold Choose from over 40 varieties of Rare and Fancy breeds. Also popular laying breeds from the nation's leading breeders Poultry Show winners from coast-to-coast Safe shipments guaranteed to all 50 states and U.S. possessions Send for Big FREE color picture catalog.

MARTI POULTRY FARM
Box 27-35, Windsor, Missouri 65360-0027

GROW YOUR OWN FRUIT

FREE COPY 48pg Planting Guide Catalog in color, offered by one of Virginia's largest growers of fruit & nut trees, berry plants, grape vines, and landscape plant material. WAYNESBORO NURSERIES, INC. P.O. Box 987 Waynesboro VA 22980

BROOM SEED CO.

"WE BELIEVE THE BEST THINGS COME IN SMALL PACKAGES." FREE Our Catalog of reasonably priced seed in conservative amounts for the back yard gardener. Plan your spring plantings of vegetable, flowers and herbs now. Send for your complimentary "idea book".

Broom Seed Company, Inc.
P.O. Box 236-V, Marion, S.C. 29132

Three Families Honored

Awards Cite Conservation Efforts

Three Conservation Farm Families of the Year—one each from the mountains, Piedmont and Coastal Plain—have been honored by the North Carolina Association of Soil and Water Conservation Districts.

Mountain area winner was the Herbert Pogue family of Rutherford County, who produces soybeans and apples in combination with terraces, waterways, and field borders.

Piedmont winner was the Carl Walters family of Orange County, who operate a dairy, grow conservation tillage corn, and devote their entire weeded area to wildlife.

Coastal Plain winner was the family of Henry C. Matthews, Jr. of Bertie County. A district supervisor, Matthews produces tobacco, peanuts, corn and soybeans but also has extensive wildlife habitat, grassed

waterways, field borders and good water management practices.

Gaston County had two honorees in the statewide competition, but one was awarded posthumously.

The late Howard D. Harrelson, a dairy farmer and leader of the Gaston Soil and Water Conservation District, was selected for the 1981 Distinguished Service Award for his conservation work and leadership in this field.

In addition, Mrs. Glenda M. Jones, district administrator in Gaston, was named Outstanding District Employee for 1981.

The President's Award, given by the association president to his personal choice for activities furthering the group's objectives, went to Charles R. Patton of Asheville, the association's

second vice-president.

Pitt County also had double winners in related categories. B. Al Gardner, Jr., of Rt. 2, Ayden, was named Watershed Man of the Year for his 35 years of service as Chairman of Pitt Drainage District No. 3, which supported both Chicod Creek and Swift Creek Watershed Projects.

Swift Creek, also in Pitt, was named 1981 Watershed Project of the Year.

Kenneth R. Futreal of Kenansville was named district conservationist for the SCS Duplin County, was named Outstanding Soil Conservation Service Employee in service to association objectives.

Mrs. Shelby White of Edenton was named Secretary of the Year for 1981.

The Carolina Conservation Award, presented to a lay person for support of conservation projects, went to Major William (Bill) Cox of Hertford, for his work in beautification and establishment of an attractive park in the city.

Meanwhile, Frank Jeter, who retired in December as the SCS public information officer for North Carolina, was presented with an award of appreciation citing him for his many years of assistance to the association.

In addition to the awards presented by the State Association of Soil and Water Conservation Districts, winners in two other competitions were recognized.

In this competition, Davie Courville of Soil and Water Conservation District 1 won two statewide first prizes, receiving both the Goodyear Conservation Award and the All-Chalmers-National Association Conservation Districts award for the over-all conservation program.

National recognition went to a teacher from Surry County. Don Vest was named the NACD-Allis Chalmers Conservation Teacher of the Year from his own county, and in turn won the North Carolina title, the Southeast United States Competition, and finally the national title as Conservation Teacher of the year.

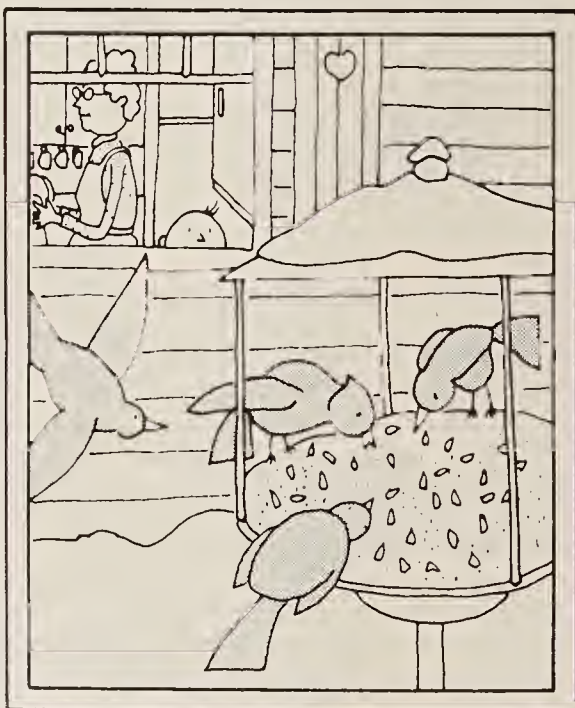
Moore County placed second in the statewide competition for the Goodyear Conservation Award.


GIVE THE BIRDS SOMETHING TO SING ABOUT.

Good food, warm clothes and a snug house help us stay comfortable in the winter, even with lowered thermostats.

But the birds don't have these luxuries. Not only is their food supply scarce in the winter, they can't even get to it if it snows. And when they don't eat, their body temperature drops, and they die.

So why not start feeding the birds this winter? It costs so little. And they'll repay you with a wonderful show, right in your own back yard.



We're All In This Together. 

Authentic Reproduction Of A Collector's \$120.00 1890 Classic!

GRANDFATHER'S SOLID WOOD Genuine Hand Antiqued Finish!



Medicine Chest

The nostalgia of yesteryear and the warmth of *genuine wood* make our Grandfather's Medicine Chest a fabulous find for all true lovers of Americana! Reproduced, piece by piece, from a collector's \$120.00 circa 1890 classic, you'll be delighted by the bright, bold mirror, gingham cloth-lined interior and fine, hand antiqued finish. More than 20" high.

3 SHELVES INSIDE

Room for medicines, cosmetics, grooming aids, first-aid supplies and more. Cloth-lined interior.

TOP DISPLAY SHELF

for flowers, figurines, antique bottles.

TOWEL BAR

is great for those extra guest towels!

**Specially Crafted To
Meet Our Highest
Standards**

Only **\$19.95**

If you'd rather look at deeply-stained natural wood than shiny chrome and metal, rejoice! Early 1900's medicine cabinets came back—to add old-time warmth, charm and beauty to your bathroom. **EASY TO INSTALL!**—as simple as putting up a mirror. In fact, why not take down that mirror in your second bath and give yourself that full cabinet you need!

There's plenty of room inside—on 3 generous shelves—for shaving brush and mug, toothpaste, medicine, and lots of grandmother's "modern" cosmetics! And, naturally, there's a knick-knack shelf on top, and a towel rack beneath!

Specially crafted to meet our highest standards. More than 20" high. An amazing value at only \$19.95 while limited, and crafted supplies are available!

PMC, Dept. BCP-0582

500 Market St., Perth Amboy, N.J. 08861

☐ Please RUSH me my Genuine Wood MEDICINE CABINET #20924 for only \$19.95 plus \$4.95 pstg. & hndlg., (total \$24.90).

☐ SAVE \$4.40! Order TWO MEDICINE CABINETS for just \$37.90 plus \$7.50 pstg. & hndlg., (total \$45.40).

Charge my ☐ VISA ☐ MasterCard Bank # _____

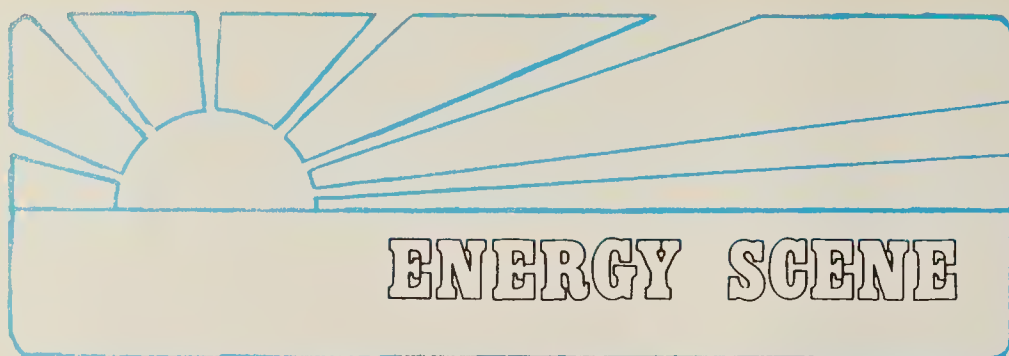
Acct. # _____ Exp. Date _____

Print Name _____

Address _____

City _____

State _____ Zip _____



Simple Steps For Saving Energy at Home

This energy conservation feature was prepared by the Office of Public Affairs of the U.S. Department of Energy.

Savings On a Drawstring

Every house is a solar collector. The trouble is, it may be collecting the sun's heat when you don't want it and releasing that heat when you do. If you use air conditioning, you can save from \$25 to \$30 each cooling season by keeping windows closed and shades or curtains tightly drawn, especially on the sunny sides of the house.

In the winter, you can cut fuel bills by opening shades in the morning on the eastern and southern sides of the house and by closing them late in the day. If it is sunny in the afternoon, you can get additional solar heat by opening the shades on the west side of the house.

The shades on the north windows should be kept shut at all times during the winter.

How Low Can You Go?

If the thermostat on your water heater is set between 140°-160°, you can reduce the setting down to 110°-120° and save at least \$20 a year for electric water heaters and \$10 a year for gas.

If this change in thermostat setting produces spotty dishes in the automatic dishwasher, or if there isn't enough hot water for all the household needs, you can always turn the dial back up a little.

The lower the setting you can accept, the more money you will save.

Anybody with a screwdriver and five minutes to spare can reset the water heater thermostat.

At the front of most water heaters there are one or two plates held on by screws. Turn off the circuit breaker (if you have an electric water heater) and then remove the plates. Push back the insulation and you will see the thermostat. It will either have numerical settings or simply the designations "high," "medium," and "low." Reset the thermostat to 120° or "low." After replacing the insulation and the metal plates, turn the circuit breaker to its "on" position.

Some Profitable Turn-Offs

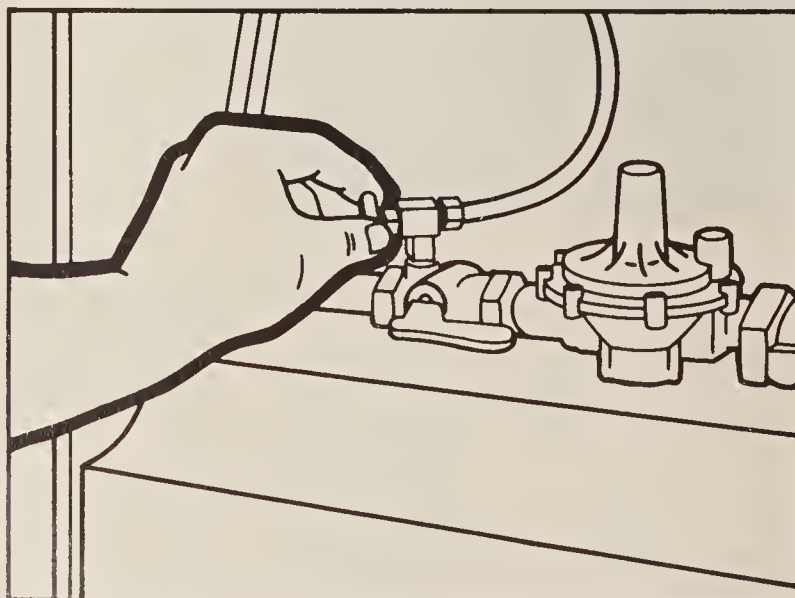
Lightbulbs are the symbols of conservation, but there are other things you can also turn off to save

money.

One example is the anti-sweat heater in refrigerators. The heaters keep moisture from appearing on the sides of the appliance. On large refrigerators they add nearly \$10 to the annual electric bill. They can be regulated with a switch inside the refrigerator compartment. The switch may have settings that say "dry/humid" or it may be called "power miser switch" or "energy saver switch." If your switch says "dry/humid," make sure it is set "dry." If it says "power miser" or "energy-saver," turn the switch to turn the heaters off.

The heaters are unnecessary except in humid climates where the house is not air-conditioned. If moisture ever does appear on the refrigerator, you can turn on the heaters for short intervals and turn them off again when the humid weather is over.

Other good turn-offs are as follows: (1) pilot lights on furnaces during the non-winter months; savings of \$10 a year. (2) If you have a second refrigerator and use it only to store marginal items, unplug it for a savings of \$20 to \$30 a year. (3) Central air-conditioning can be turned off when the house will be unoccupied for four hours or more. (4) Room air-conditioners can be turned off during the absence of one hour or more. (5) Water heaters can be turned off when you leave the house for a weekend or longer. (6) Furnace heating system thermostats can be set back when you are gone for more than four hours.



Senior Engineer Gets N.C. EMC Planning Post

A senior engineer with bachelor's and master's and doctoral degrees in electrical engineering has been named director of planning for North Carolina Electric Membership Corporation.



George C. Ferrell assumed the post after serving for the past year as an engineer with the Energy Systems Department of the Research

Triangle Institute, where he was involved in various research projects. At N.C.EMC, he will oversee transmission planning and load flow studies of the state's electric cooperatives. He will also direct studies to determine the feasibility of centralized statewide load management for the EMCs, and to identify additional sources of generation.

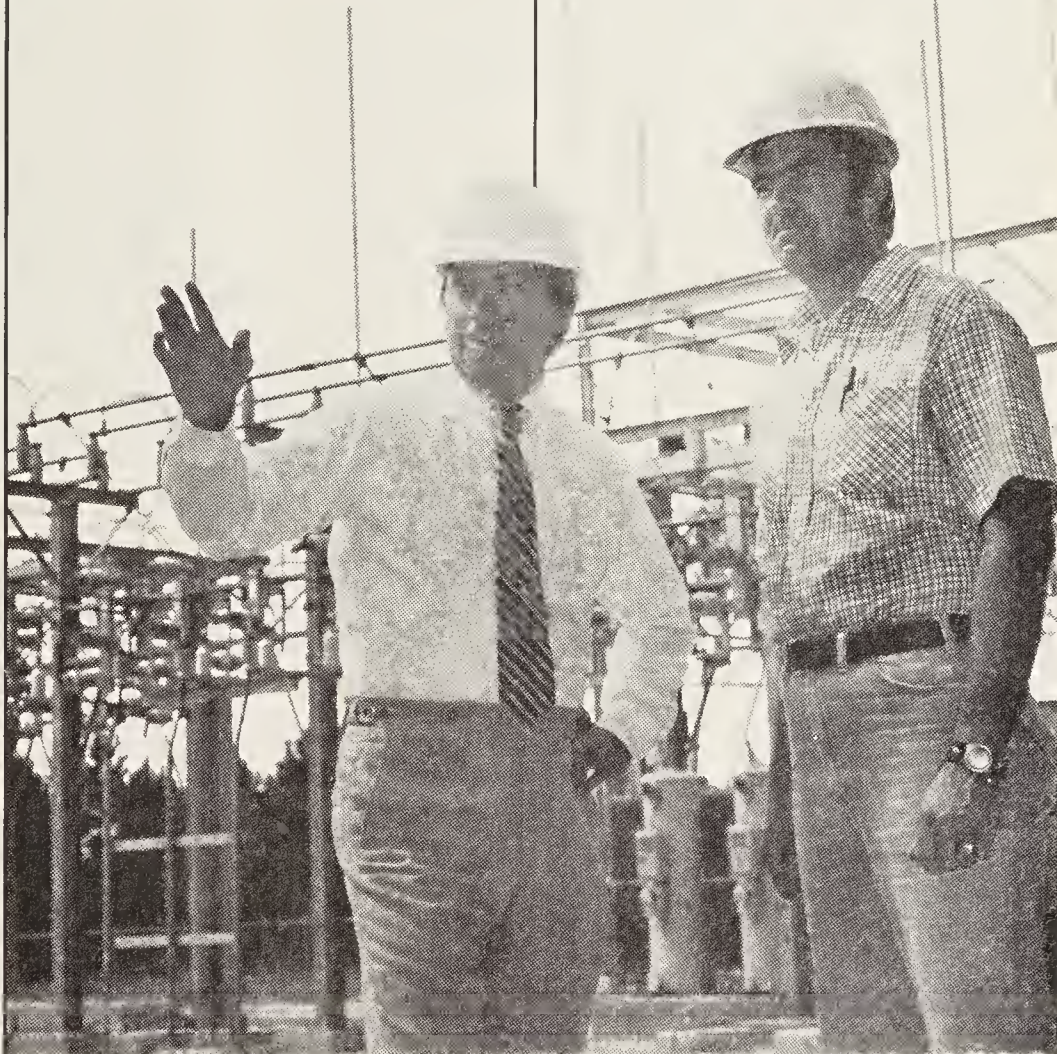
Ferrell was an engineer with the Energy and Environmental Systems Division of Teknekron Research, Inc., Berkeley, Calif. for two years prior to joining RTI.

Earlier, he handled research and teaching assignments for Lawrence Berkeley Laboratory, Bechtel Corporation and Rand Corporation.

His bachelor's degree is from California Polytechnic State University, while his graduate degrees are from University of California at Berkeley.

By the year 2000, the earth's population will increase 50%. And, America's more than 1,000 rural

electric cooperatives will be there to meet the demand for power. So will we.



FARM CREDIT AND AMERICA'S Rural Electric Cooperatives...

partners in progress



Financing for Farmer Cooperatives



Short and Intermediate Term Farm Credit



Long Term Farm Credit



Joint Land Bank and PCA Services

UNDERSTANDING TAXES

Is a free course to teach high school

students basic tax information—such as how to fill out a Federal tax return, or who has to file a return. Interested in having an Understanding Taxes course in your children's school? Call your local IRS office for details.

A public service message from the Internal Revenue Service.

**SOUTHERN ENGINEERING
COMPANY OF GEORGIA
ARCHITECTS—ENGINEERS
ATLANTA, GEORGIA**

U-BUILD PROJECTS

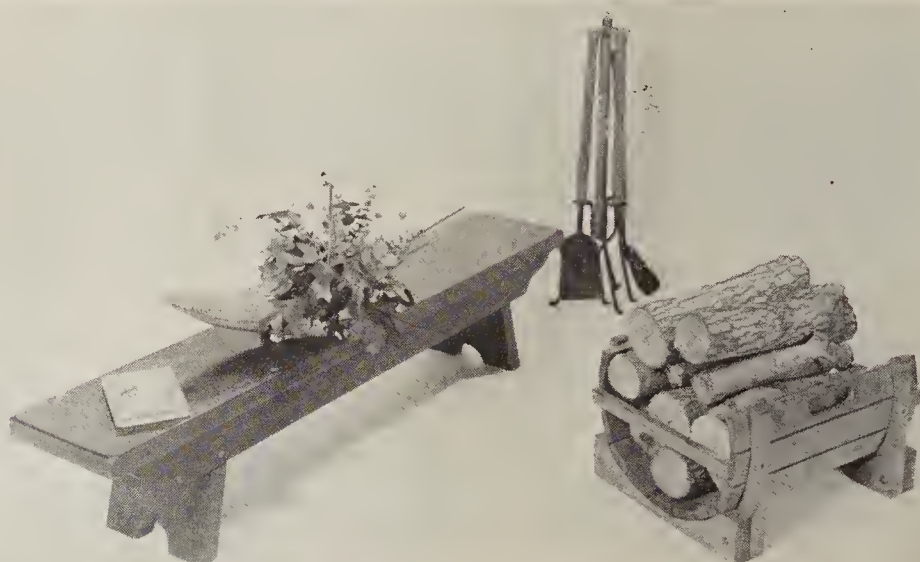
Hearth Duo Reflects Colonial Era

For practical, as well as sentimental reasons, our readers are reaching back in time for decorative bits of Americana. This bench and wood basket duo harken back to Colonial days when the hearth was the center of all home activities.

The hearth bench sits low and

can be positioned close to the fire. It can also double as a coffee table. The surface can be distressed to increase the heirloom look. Finish the wood basket to match. The full-size traceable bench and basket patterns make it easy. Just lay the pattern parts onto pine lumber, cut out and assemble.

To receive both the COLONIAL HEARTH BENCH AND WOOD BASKET Patterns No. 7879, send \$3.00, (including first class postage and handling). Mail check or money order to Steve Ellinger, c/o: **Carolina Country Patterns Dept., P.O. Box 2383, Van Nuys, California 91409.**



SOTZ FARM SHOP HEATER

- PRODUCES MORE HEAT THAN 2 OR 3 HIGH PRICED STOVES
- TREMENDOUS RADIATING SURFACE AREA GIVES YOU MORE HEAT WITH LESS WOOD
- BURNS VERY LONG WITHOUT ADDING WOOD
- ENGINEERED TO PREVENT DRUM BURN OUT
- TESTED TO U.L. STANDARDS
- EASILY HEAT YOUR BIG FARM BUILDING

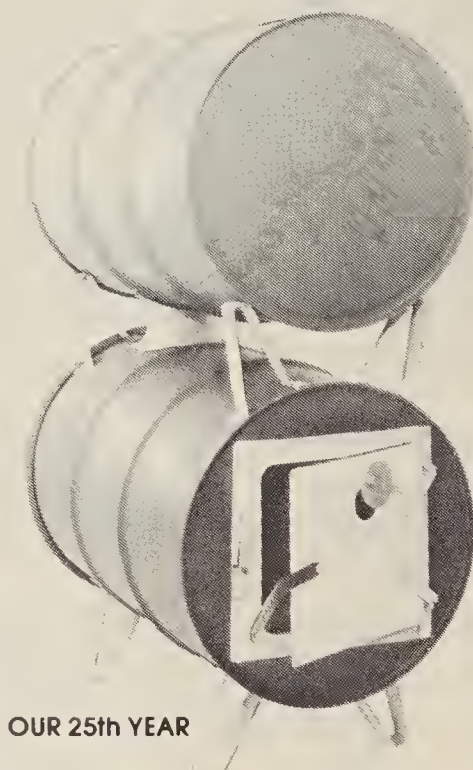
SPECIFICATIONS

- **Heating Capacity:** 152,000 BTU/hr. bottom drum 243,000 BTU/hr. double drum.
- **Construction:** Door, door frame, flue collar, draft control, internal draft channel of 13 ga. steel legs, 1/8 in. steel hinges, latch, catch of 3/16 in. steel nuts and bolts. Top Drum: Connector flanges, pipe assembly, 4 nesting brackets, nuts and bolts.
- **Guarantee:** 1-year trial offer. 10 years against failure.
- **UL testing** conducted by R.F. Geisser, Engineers.

PRICE:

	DELIVERED TO YOUR DOOR	FACTORY PICK-UP
Bottom	\$38.98	\$34.95
Top	\$20.98	\$17.95

VISA AND MASTERCARD RUSH ORDERS
CALL 1-800-321-9892
(INSIDE OHIO CALL 1-216-236-5021)
or SEND CHECK OR MONEY ORDER....
Sorry, no C.O.D.'s.



OUR 25th YEAR

\$34.95 bottom kit
factory
pick-up

Before you spend \$500 to \$600 on a wood heater, try the Sotz Heater Kit for under \$60...**at our risk.** If (within one year) you don't agree it outperforms any wood heater money can buy, or (within 1 year) if the kit cracks, warps, or burns up, your money will be refunded, including shipping charges.

Kit converts a 55 gallon drum (not supplied) into a high capacity wood burner. Features large 11 3/4" square door opening, cam-lock door catch, and spark-proof design. Patented internal draft channel, draft control, and airtight design allow controlled, efficient heating while limiting metal temperatures of barrel, to prevent burnup.

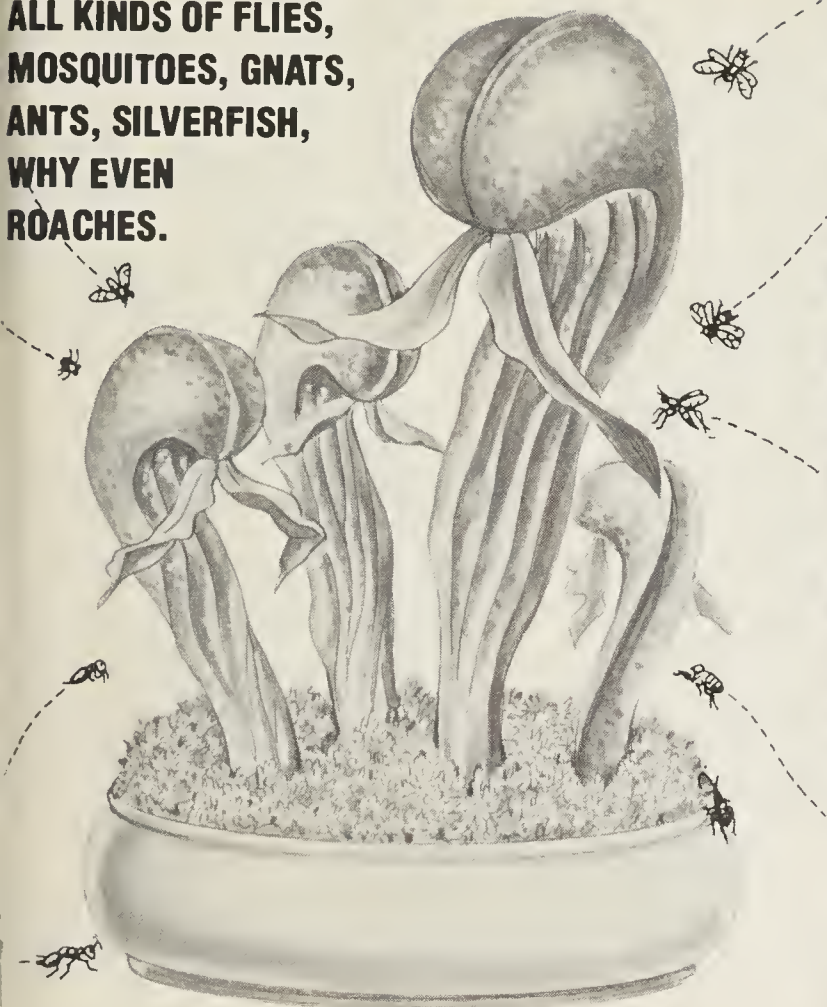
Use of draft control allows you to heat large or small areas. Basement installation heats your entire home. Great for your garage, workshop, or cabin. Top drum squeezes 60% more BTU's from heat normally lost up the chimney. Heavy steel bolts together quick and easy.

Thousands in use by U.S. Army, Navy, Depts. of Nat. Resources, Agriculture, Federal, state and local government agencies.

FREE info. about **55-GAL HEATER (SHOWN)**, heating water, drying wood, fireplace-to-woodstove. 15-30 gal. kits also available.

Sotz Corporation, 13688 Station Rd., Columbia Station, OH 44028

**TRAPS AND DEVOURS
ALL KINDS OF FLIES,
MOSQUITOES, GNATS,
ANTS, SILVERFISH,
WHY EVEN
ROACHES.**



**AMAZING
KING COBRA
LILY** King Cobra Lily™
Chirsamphora Californica



**DRAWS
INSECTS
RIGHT
OUT OF
THE AIR!**

**Off Walls—Even Off the
Floor! Helps Rid Your Home
of Insects—Pests
ALL YEAR 'ROUND**

**VES OFF AN INVISIBLE HONEY-SCENT, INSECTS
IND IMPOSSIBLE TO RESIST! TRAPS THEM ON
CONTACT, THEN KILLS THEM DEAD!**

Imagine if you can, one of the world's most breathtakingly beautiful house-
plants . . . that to human eyes looks like a giant "flower show" Tropical
—but to insects that are unlucky enough to come near it, spells SURE,
CERTAIN DEATH!

Yes, a wonder of nature that not only erupts with lavish displays of beautiful
open spring blooms . . . as it lines itself up like a squad of insect destroying
fighters, mammoth heads on the constant alert against flying, crawling creeping
insects that dare to invade your room and set foot near it.

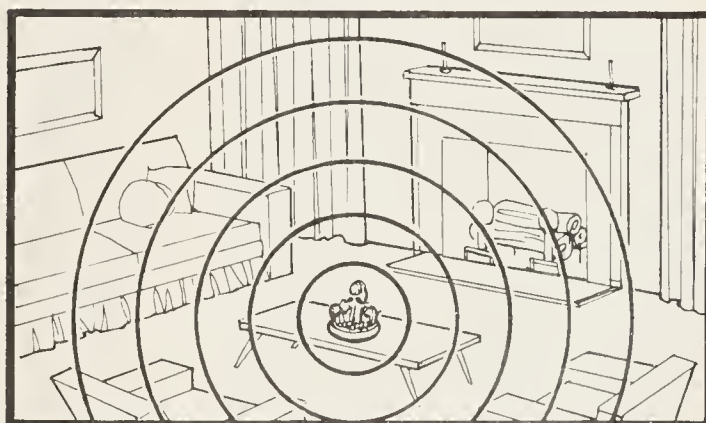
This is the 'double-wonder' that awaits you when your plant stands with its
trumpet of bloom . . . these Lavender King Cobra Lillies. Each and
every plant grows so spectacular in size, so dazzling in beauty that a single
plant-size bloom makes a corsage by itself . . . and just 3 or 4 plants transform
entire windowsill into a South Sea Island paradise . . . ever "on the lookout"
crawling and flying pests!

**BEST OF ALL—NEEDS NO SPECIAL NUTRIENTS BECAUSE IT FEEDS AND
NOURISHES ITSELF . . . ON INSECTS!**

By a conversation-piece all by itself . . . plus a fascinating educational
experience for both children and adults, too. Because there is simply no other
plant in all of nature that gives you such TOTAL eye-stopping beauty PLUS
insect protection.

To put it simply, it is bound to leave your friends, family and house-guests
completely spellbound . . . not only with its uncanny ability to lure and attract
flying and crawling pests . . . trap them . . . digest them . . . and help keep an
entire area insect-free ALL YEAR 'ROUND!

**SUPPLIES ARE STILL SORELY LIMITED—WE MAY NOT BE ABLE
TO REPEAT THIS OFFER THIS YEAR—ACT NOW!**



**ONE SINGLE PLANT PROTECTS AND
DESTROYS YEAR AFTER YEAR AFTER YEAR.**

**KING COBRA, Dept. CLBA—18
Roberts Lane, Glen Head, NY 11545**

YES, please rush me the amazing KING COBRA plant that traps
and devours all kinds of creeping, crawling insects year after year. I
must be pleased and delighted in every way or you will refund the full
purchase price (less postage and handling of course) without ques-
tion.

- ☐ 1 King Cobra Plant only \$3.95 plus 75¢ postage & handling.
- ☐ 2 King Cobra Plants only \$6.95 plus \$1.25 postage & handling.
- PLANT LOVERS DISCOUNT special—**
- ☐ 3 King Cobra Plants only \$9.95 plus \$1.50 postage & handling.
YOU SAVE \$2.65!
- ☐ 6 King Cobra Plants only \$17.98 plus \$2.00 postage & handling.
YOU SAVE OVER \$8.00!
- ☐ 12 King Cobra Plants only \$32.95 plus \$3.00 postage & han-
dling. YOU SAVE OVER \$20.00!

Total amount enclosed \$ _____ (N.Y. Residents add sales tax)
No C.O.D.'s please.

NAME _____
Address _____
City _____ State _____ Zip _____



Time For "Patching Over"

The musings below are those of Wyona Johnson of Rt. 3, Mocksville, who retired last September after 34 years with Crescent Electric Membership Corporation and its predecessor, Davie EMC.

She wrote this piece as she was approaching the start of 1981, and it first appeared in *The EMC Employee*, a monthly publication that's distributed to the employees of the state's 28 EMCs.

I've never been one to make resolutions, New Year's or any other kind. In fact on the first day of every year, I've always felt a little relieved that I didn't have to worry and fret deciding which of my human frailties I would have to do away with during the coming year.

But this year, somehow I feel differently. I can't exactly put my finger on the reason. I keep remembering something that "Aunt Ida," a black friend of mine, used to say that went like this: "There'll never come a time in your life when you can't use a little patching over the elbows and knees of everyday living."

I didn't know just what she meant at the time, but now I think I do. And what better time than now, right at the beginning of a brand new year, to patch over those spots that have worn a little thin in the fabric woven of hectic days on a loom whose spindles bob at a frantic pace.

The patches I'm going to sew on may not last the whole year through, but then patches never do. But for now the patches will do. Not

ordinary patches mind you. Each one will be a silent promise that I'll make to myself. A promise that this year I will take the time to:

- Enjoy the warmth of a hot cup of coffee in front of a blazing fire when snowflakes fall.
- Be thankful for stars that shine, friends who care, candles that glow, faces that smile and bells that chime.
- Ponder the wisdom of the old Chinese proverb: Better to do a kindness near at home than go far away and burn incense.
- Teach a child to blow soap bubbles through an old spool, and where to look for fairies.
- Savor the delicious goodness of hot yeast rolls from mama's recipe, rather than the waxed taste of those labeled, "Heat and Serve."
- Look for four-leaf clovers, walk in the rain.
- Visit in the house of the elderly whose doors are always open but too seldom entered, and just chat a little while.
- Make at least one distant trip to high peaks and across desert sands to see America the Beautiful.
- "See a world in a grain of sand, and a heaven in a wildflower..."

Misleading Symbols

Wyona's comments reminded me of an admonition about making the most of your time that I heard on more than one occasion from the minister of my home church when I was growing up.

The design of the clock, he said, tends to give us a false impression about the passage of time. After all, once the clock's hands have circled the face, they merely continue the same motion, making each hour just as they did all those that went before.

There are no automatic bells, buzzers or flashing lights at the end of a day to make us realize that another day is past—never to be recalled.

I can't remember the minister having mentioned it, but the calendar's design is little better, since it's based on a repeating pattern of days and months. At least, we do usually take time to mark the passage of those days and months when New Year's rolls around.

About all we can do, I suppose to keep reminding ourselves that clocks and calendars merely provide the symbols for keeping track of passing hours and days. Each hour each day—is unique and will never be repeated.

With this in mind, perhaps we can make better use of these unique bits of time for our own "patching over" lists.

The Power of Prayer?

On separate occasions recently two friends have described for me the traumas they'd experienced when they tried to quit smoking. Both had quite a struggle—and to date only one has been completely successful in beating this habit.

These tales of woe reminded me of a story singer Johnny Cash told one of his concerts some years ago, recalling his own stop-smoking traumas.

He was in their grip, he said, when he and Evangelist Billy Graham appeared together at a public function.

"I told him what I was going through and he promised he'd pray for me to get through it with the Lord's help," Cash said. "Well, after that, I just couldn't start smoking again. How could I ever tell people that Billy Graham's prayers don't work!"

A Turkey Day Baby

You may recall that we wrote in this space last month about Julie Zeigler, our typesetter and graphic specialist, expecting her first child possibly before the December issue could be printed.

Well, sure enough, Jessica Paige Zeigler made her appearance on scene Thanksgiving Day, weighing in at 7 pounds and 12 ounces. That was several days before the magazine went to press.

Julia and her husband Craig had made no bones about expecting a boy—they hadn't even selected a girl's name. But, they apparently couldn't be happier with little Jessica.

"I wouldn't trade her for anything in the world!" Julia declared.

—Owen Bishop

SO EASY TO GROW, IN SO LITTLE SPACE.



FULL-SIZE FRUIT, ON DWARF-SIZE TREES.

add to the beauty and value of your yard with Stark Bro's trees—and enjoy fresh, home-ripened fruit for years to come.

Plant easy-to-grow dwarf fruit trees from Stark Bro's, the foremost developers and researchers of fruit trees, and

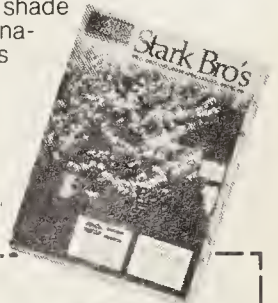
you'll get bountiful crops of fruit in just 2 to 3 years.

Even if you have limited space, you probably have plenty of room in your yard for your own orchard of Stark Bro's trees. Six dwarf fruit trees can be planted in just a 16 x 24 foot area.

New! Free Catalog.

Just mail the coupon to receive your FREE copy of Stark Bro's newest catalog featuring hundreds of varieties of dwarf, semi-dwarf and standard size fruit trees, shade and nut trees, roses, ornamentals, grapes, berries and more.

If coupon is missing, write: Free Catalog, Stark Bro's Nurseries & Orchards Co., Box J1041B, Louisiana, Missouri 63353.



Plant At The Corner Of Your House.

Dwarf fruit trees make ideal plantings in both front and back yards.



Plant Dwarf Trees As A Hedge.

Line a walk or driveway. Plant a row of trees for more privacy, wind protection, and beauty.

New FREE CATALOG. Send Today.

Stark Bro's Nurseries & Orchards Co.
Box J1041B, Louisiana, Missouri 63353

☐ Yes, rush me your new, full-color Spring catalog. Free.

(Please Print)

Mr. _____
Ms. _____

Address _____

City _____

State _____ Zip _____

Home Telephone (____) _____
Area Code



Stark Bro's

Small Trees Bear Fruit. Since 1816.

FOR THIS YEAR'S PRIZE ROSE GARDE

*-the world's
highest rated*

ALL 12 FOR \$21.95
ANY 6 FOR \$11.50—ANY 3 FOR \$5.85

Already Selected and Tried . . .
These are The Best Roses You Can
Buy . . . Now at Low, Low Prices.

Only the rose has such great beauty of form, pleasing color range, delightful fragrance and is so adaptable to almost every flower garden. However, since there are thousands of different varieties of roses, you can only be sure of beautiful blooms by selecting varieties that have withstood the test of remained popular year after year with expert alike. Each rose offered in this big sale is a formerly patented variety, tested and proven for ease of growth, abundance of bloom, and hardiness in the country. These are strong, healthy, se bushes. And only \$1.98 each!

US "NO-FAULT" GUARANTEE!

ly rose bushes are already 2 years old with 2 or more canes, strong, and healthy . . . tagged with name well packed for arrival in good condition. If not satisfied on arrival, you may return in 15 days for full refund. Any doesn't grow and develop, we will free (3 year limit).

ROSES

only \$1.98 each

FREE OF EXTRA COST

GIANT HIBISCUS

Bonus for orders mailed before April 25. Nursery grown from seed, 1 years old. Large bloom on 6 ft. stems



PEACE

Most nearly perfect rose of all. Past "ALL AMERICAN" winner. Produces dozens of blooms up to 8" across almost all summer and fall. Red tinged in ivory, cream, sunshine yellow.



CRIMSON GLORY

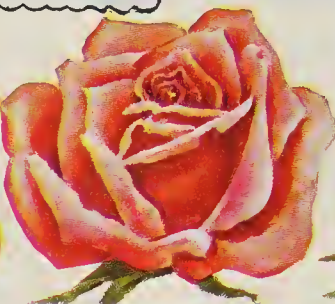
Large, well formed, deep blooms are finest red of all and most fragrant, too. Blooms profusion all summer long.

BLANCHE MALLERIN

Pure white Hybrid Tea features large, high centered blooms the whitest of them all. Vigorous grower, glossy foliage.



NTEZUMA
tered double blooms
let-orange. Vigorous
profusely on a com-
l-glossy foliage.



TIFFANY

Large long buds unfold into lush double blooms of beautiful warm pink. "ALL AMERICAN" winner, considered one of the most beautiful of all roses. Intensely fragrant.



ECLIPSE

Profuse and remarkably long pointed buds open to deep-cupped, long-lasting double golden yellow blooms that come in waves far into fall.



FORTY-NINER

Blooms all summer long with brilliantly contrasting petals, vivid Oriental red inside and chrome yellow outside. Former "ALL AMERICAN ROSE SELECTION".



CLIMBING BLAZE

This champion climber produces a vivid blanch, big, 2 to 3 inch scar double blooms on branched canes. B again and again, su into fall, covering walls, fence with a of vivid, flaming cov



QUEEN ELIZABETH

Truly one of the most breathtaking roses, its lovely pink flowers bloom early June to frost. Former "ALL AMERICAN ROSE SELECTION" winner. Finest of the pinks.



CHRYSLER IMPERIAL

Perfectly shaped tapering buds open into large, velvety, dark red blooms with up to 40-50 petals each! Former "ALL AMERICAN ROSE." Richly fragrant.



MIRANDY

Strong, vigorous grower produces many surprisingly large well-formed blooms, as befits a past "ALL AMERICAN ROSE SELECTION" winner. Purplish-red maroon color.



CLIMBING PEACE

Easy growing, flowers generously all summer long with dozens of vivid golden blooms fringed in red and pink. Quickly climbs over trellis, arbor or trellis in a rising blander of large, gorgeous golden blooms.

**Send No Money — Your Order
Will Be Promptly Acknowledged,
Carefully Processed And Shipped!**

In all our 39 years of serving flower lovers and home gardeners, we feel this is the best combination of rose bush varieties we have ever offered. These are hardy vigorous plants, not allowed to lie around on display and dry out. When shipped, they are carefully packed, protected and tagged with name of variety. Easy planting instructions included.

Order now to reserve your rose shipment for spring planting. Send no money, you may order on your credit card if you wish. Or send remittance now (plus \$1.50 towards postage and handling) — either way, we ship postpaid. Mail order before April 25 and receive free bonus of Giant Hibiscus!

MICHIGAN BULB CO.
1950 Waldorf
Grand Rapids, Mich. 49550

SEND TODAY FOR YOUR PRIZE ROSE COLLECTION

Michigan Bulb Co., Dept. EB-158 1950 Waldorf, Grand Rapids, Mich. 49550
Please send Prize Winning Roses as checked below plus Giant Hibiscus bonus order mailed before April 25. Every rose is guaranteed.

☐ (412) Prize Winning Rose Collection - 12 Roses, one of each variety \$21.95
☐ Any 24 for \$39.95 ☐ Any 12 for \$21.95 ☐ Any 6 for \$11.50
☐ Any 3 for \$5.85 ☐ Any One for \$1.98

Cat. No. INDICATE HOW MANY OF EACH VARIETY:

(400) Peace (409) Eclipse (411) Chrysler Imperial
(401) Blanche Mallerin (410) Forty Niner (408) Queen Elizabeth
(407) Mirandy (405) Tiffany (426) Montezuma
(402) Crimson Glory (406) Climbing Blaze (404) Climbing Peace

☐ Remittance enclosed plus \$1.50 postage and handling. Ship postpaid.

☐ Bill on my credit card, plus \$1.50 postage and handling. Ship postpaid.
(Check one) ☐ MasterCard ☐ Visa ☐ American Express

Card # _____

Exp. Date _____

PRINT NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____